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No. 318

A NUMERICAL REPRESENTATION OF CCIR REPORT 322 HIGH FREQUENCY (3-30 MC/S) ATMOSPHERIC RADIO NOISE DATA

DONALD L. LUCAS and JOHN D. HARPER, Jr.

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

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A NUMERICAL REPRESENTATION OF CCIR REPORT 322 HIGH FREQUENCY (3-30 MC/S) ATMOSPHERIC RADIO NOISE DATA

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Geographic and frequency dependent distributions of atmospheric noise power enumerated in CCIR Report 322 [1964] are approximated by series expansions for use in electronic computers. Coefficients of Fourier series representation of worldwide geographic dependence and power series representation of both mean and decile variability of the frequency dependence are tabulated. Representative contour charts of all distributions are shown along with sample longitudinal and latitudinal variations. (Key words: Numerical, representation, high frequency atmospheric, radio, noise, computer)

1. INTRODUCTION

Minimum signal levels required for satisfactory radio communications depend upon the radio noise level at the receiving antenna. One of the important noise parameters in high frequency communication systems (3-30 Mc/s) is atmospheric radio noise. The internationally accepted method of predicting atmospheric noise is outlined in International Radio Consultative Committee Report 322 [CCIR, 1964].

The atmospheric noise maps in the above report are average values of the noise to be expected in a given season of the year within discrete four-hour time blocks. A frequency dependence is given for each four-hour time block along with the expected variability of the noise. The variability is shown in the form of the upper and lower decile (D_u & D_ℓ).

Since computer methods have become prominent in predicting system performance of high frequency communication circuits, [JTAC, 1964] a numerical representation of CCIR Report 322 in the form of series expansion coefficients is extremely useful to the efficient solution of these

problems. The representation of the atmospheric noise data from CCIR Report 322 for computer solution of high frequency systems problems is the object of this report. An estimate of galactic noise is not included in this report.

The numerical coefficients which represent the worldwide distribution of atmospheric radio noise as a function of geographic location were generated by means of a least squares fit using Fourier analysis. The maps of frequency dependence and variability of the radio noise were generated using a power series least squares fit. Short term variability of the radio noise is not included.

Some geographic smoothing in the noise maps is not considered detrimental in high frequency systems problems since the CCIR maps are based on nondirective antennas, while most communication circuits employ directive antennas which may be directed into a noise center when in a quiet location, or may be directed away from the noise center when in a high noise area. The numerical methods in this report introduce some geographic smoothing due to the truncation of the Fourier series.

The numerical coefficients contained in this report are available on magnetic tape and can be obtained from the National Bureau of Standards, Boulder, Colorado.

2. REPRESENTATION OF GEOGRAPHIC DISTRIBUTION BY FOURIER SERIES

The procedure for representing a function, f(x), by means of a Fourier series may be found in many texts on numerical analysis, [e.g., Milne, 1949].

The representation of the CCIR geographic noise distribution (hourly median amplitudes at 1 Mc/s) by means of Fourier coefficients was obtained by two separate harmonic analyses on the computed points from which the CCIR maps were drafted. The first analysis describes the latitudinal variations.

From longitudes spaced approximately four degrees apart, data were selected at intervals of less than two degrees of latitude.

A linear interpolation between selected points was done to yield $n + 1 = 361$ data points:

$$Y_k = f(kh), \quad (k = 0, 1, 2, 3 \ldots, n),$$

taken at equal intervals,

$$x = 0, h, 2h, \ldots, nh = \ell \pi.$$

(The selected points were taken sufficiently close together to yield good approximations for the equally spaced Y_k.) Thus the latitude scale has been transformed from $-90° \leq x \leq 90°$ to $0 \leq \pi$.

Following the procedure of Lanczos [1956], since $f(0) \neq f(\pi)$, we define:

$$g(x) = f(x) = (\alpha + \beta x) \qquad 0 \leq x \leq \ell$$

$$g(x) = -g(-x) \qquad -\ell \leq x \leq 0,$$

where α and β are chosen in such a manner as to satisfy the boundary conditions

$$g(0) = 0, \; g(\ell) = 0,$$

thus obtaining a periodic function $g(x)$ which is continuous and has a continuous derivative. This procedure insures a much faster convergence of the Fourier expansion of $g(x)$ than that which would be obtained directly from $f(x)$.

The function $g(x)$ is then developed into a pure sine series of the form:

$$g(x) = b_1 \sin \frac{\pi}{\ell} x + b_2 \sin \frac{2\pi}{\ell} x + \ldots + b_i \sin \frac{i\pi}{\ell} x + \ldots . \qquad (1)$$

First, modify $f(x) = Y_k$ to

$$g(x) = f(x) - f(0) - \frac{f(\ell) - f(0)}{\ell} x$$

and then determine the b_i of the expression (1) by means of:

$$b_i = \frac{2}{n} \sum_{j=1}^{n-1} g(jh) \sin ij \frac{\pi}{n}, \quad i = 1, \ldots, 29.$$

The number of coefficients, for representing the latitudinal variation, (K = 29), was determined for data having the widest variation. The method of "cutoff frequency" as discussed by Lanczos [1956, pp. 336f] was used. The first step, therefore, yielded a series of 29 coefficients for each of the chosen longitudes.

Figure 1 describes graphically the degree of fit obtained using the truncated series of 29 coefficients. Two discrete curves are shown: (1) the original data as scaled are represented by asterisks, and (2) the numerical curves, which are secured from equation (1) are represented by periods. The asterisks are shown only when the original datum deviated from the fitted curve by one half decibel or greater.

The second step in the generation of coefficients to represent the geographic distribution was to do an harmonic analysis of the longitudinal variation of the coefficients b_i developed in step one. The longitude scale was transformed into $0 \leq x \leq \pi$ by proceeding in an eastward direction from 0° longitude in order to obtain the expansion in a pure sine series.

The procedure outlined in step one above was followed with two exceptions. First, since $f(0) = f(\pi)$, a single constant $\chi = f(0)$ is subtracted from $f(x)$:

$$g(x) = f(x) - \chi.$$

Secondly, it was found that the series could be terminated at 15 harmonics to yield a satisfactory representation of the b_i. An analysis of 4368 evenly spaced coordinates selected from within the 24 geographic

maps produced an average absolute deviation of 0.276 decibels between the numerically mapped values and the values from CCIR 322. The maximum error encountered was 3.17 decibels which is well within the tolerance of the original recorded data used in this analysis. Typical graphic representation of the fit of the b_i obtained is shown in figure 2.

Contour maps of worldwide 1 Mc/s noise produced from the generated coefficients are shown in the odd-numbered figures 3 through 49.

A Fortran program which will evaluate the 1 Mc/s atmospheric radio noise is given in Appendix I.

The coefficients appearing in tables 2 through 25 are used with the above program in the order shown in table 1.

3. REPRESENTATION OF THE FREQUENCY DEPENDENCE BY POWER SERIES

The frequency dependence curves of the median amplitude of atmospheric radio noise given in CCIR Report 322 were obtained by a least squares fit to the function:

$$Y(X,N) = A_1(N) + A_2(N)\,X + A_3(N)\,X^2 + \ldots + A_7(N)\,X^6$$

where

$$A_i(N) = b_{i,1} + b_{i,2}\,N, \qquad i = 1, \ldots, 7,$$

N = median amplitude of the 1 Mc/s atmospheric radio noise (dB > ktb), and

$$X = \frac{8 \times 2^{\log_{10} f} - 11}{4},$$

where f is operating frequency - Mc/s, subject to the following constraint;

Y (-3/4, N) = N (i.e., the median amplitude reduces to N when f is set equal to 1 Mc/s).

The upper half of even-numbered figures 4 through 50 represent evaluations of the above function by the Fortran II routine presented in Appendix II. The region above 20 Mc/s was not verified by actual observations, but results from an extrapolation of the fitted data.

4. REPRESENTATION OF THE VARIABILITY OF RADIO NOISE (Du & $D\ell$) BY POWER SERIES

CCIR Report 322 curves representing upper decile (Du) and lower decile ($D\ell$) values of the distributions were generated by a least squares fit to the function:

$$Y(X) = A_1 + A_2 X + A_3 X^2 + A_4 X^3 + A_5 X^4,$$

where

Y (X) = Du or $D\ell$ in decibels above or below the median amplitude, $X = \log_{10}(f)$, and

f = operating frequency - Mc/s.

A Fortran II routine which will evaluate this function is located in Appendix II. The lower half of even-numbered figures 4 through 50 are illustrations of evaluations. Tabulated coefficients appear on pages 85-87.

5. EXAMPLE OF THE USE OF CHARTS

The radio noise charts appearing in figures 3 through 50 were not intended for manual calculations; however, numerical solutions by the computer can be roughly checked using them.

Example: find the predicted amplitude of the median and decile values of the atmospheric radio noise at Boulder, Colorado, at 0200 LMT in January using an operating frequency of 10 Mc/s.

Step 1. Enter figure 3 with geographic coordinates of Boulder (105W-40N). Read 1 Mc/s atmospheric noise amplitude of 63 dB > ktb.

Step 2. Enter Northern Hemisphere Frequency Dependence Chart of figure 4 with 63 dB > ktb at 1 Mc/s and operating frequency of 10 Mc/s. Read amplitude of atmospheric radio noise of 170 dB < 1 watt in a 1 c/s band at 10 Mc/s.

Step 3. Enter Northern Hemispheric Distribution Chart of figure 4 with 10 Mc/s. Read upper decile value of the amplitude of atmospheric noise of 5 dB above the median and a lower decile value of 4 dB below the median. Thus the upper decile is 165 dB < 1 watt and the lower decile is 174 dB < 1 watt in a 1 c/s band.

6. CONCLUSIONS

A numerical representation of the atmospheric noise is practical, efficient, and essential for computer solution of high frequency systems problems.

This numerical representation should prove valuable to the radio systems engineers interested in a computer evaluation of the atmospheric radio noise and its distribution. The accuracy of the numerically represented values as presented is adequate for practical prediction routines in use today.

7. SAMPLE FIT OF NUMERICAL COEFFICIENTS TO ORIGINAL RADIO NOISE DATA

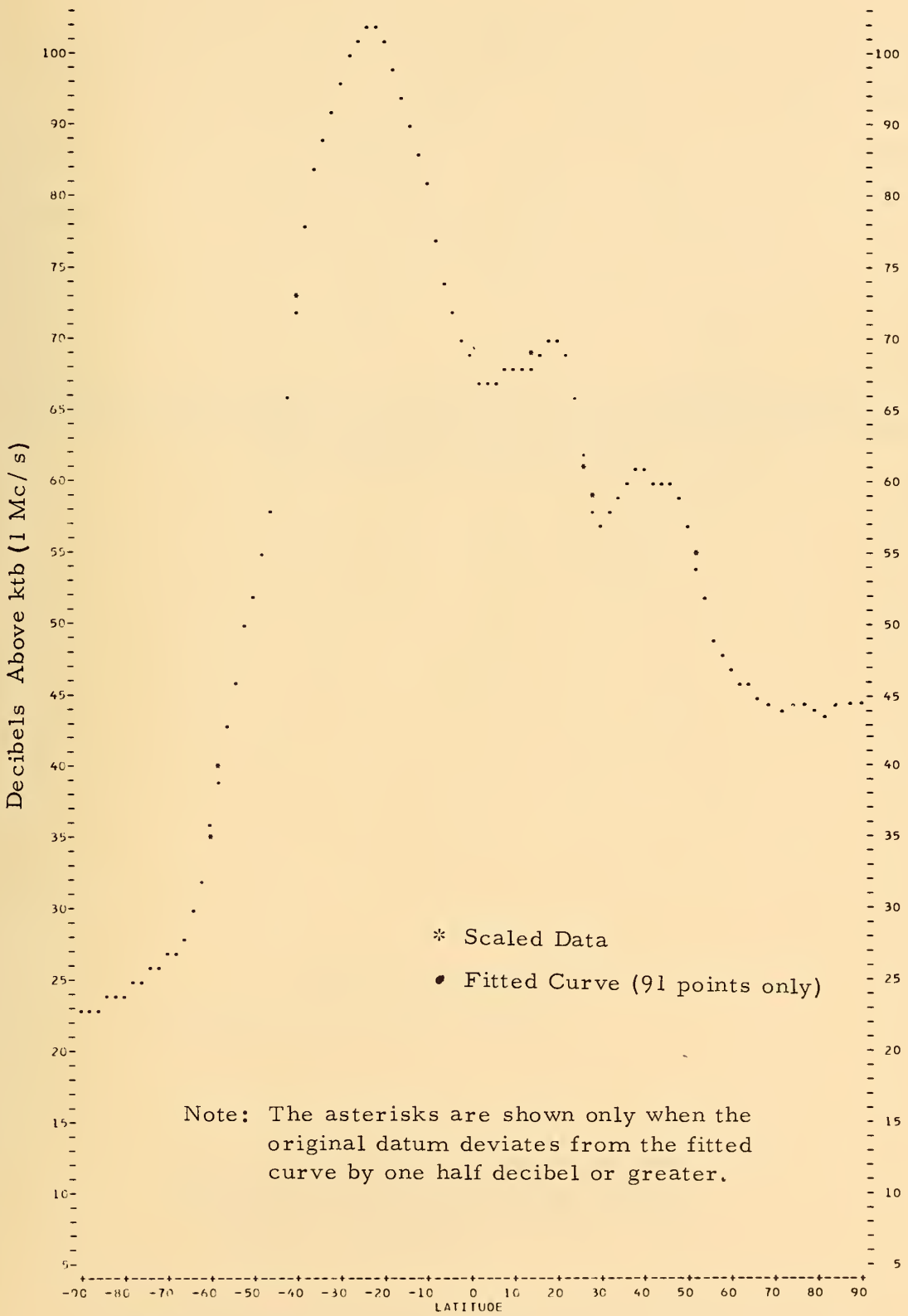


Figure 1. Sample Fit of the Latitudinal Variation of Median Amplitude of 1 Mc/s Atmospheric Radio Noise

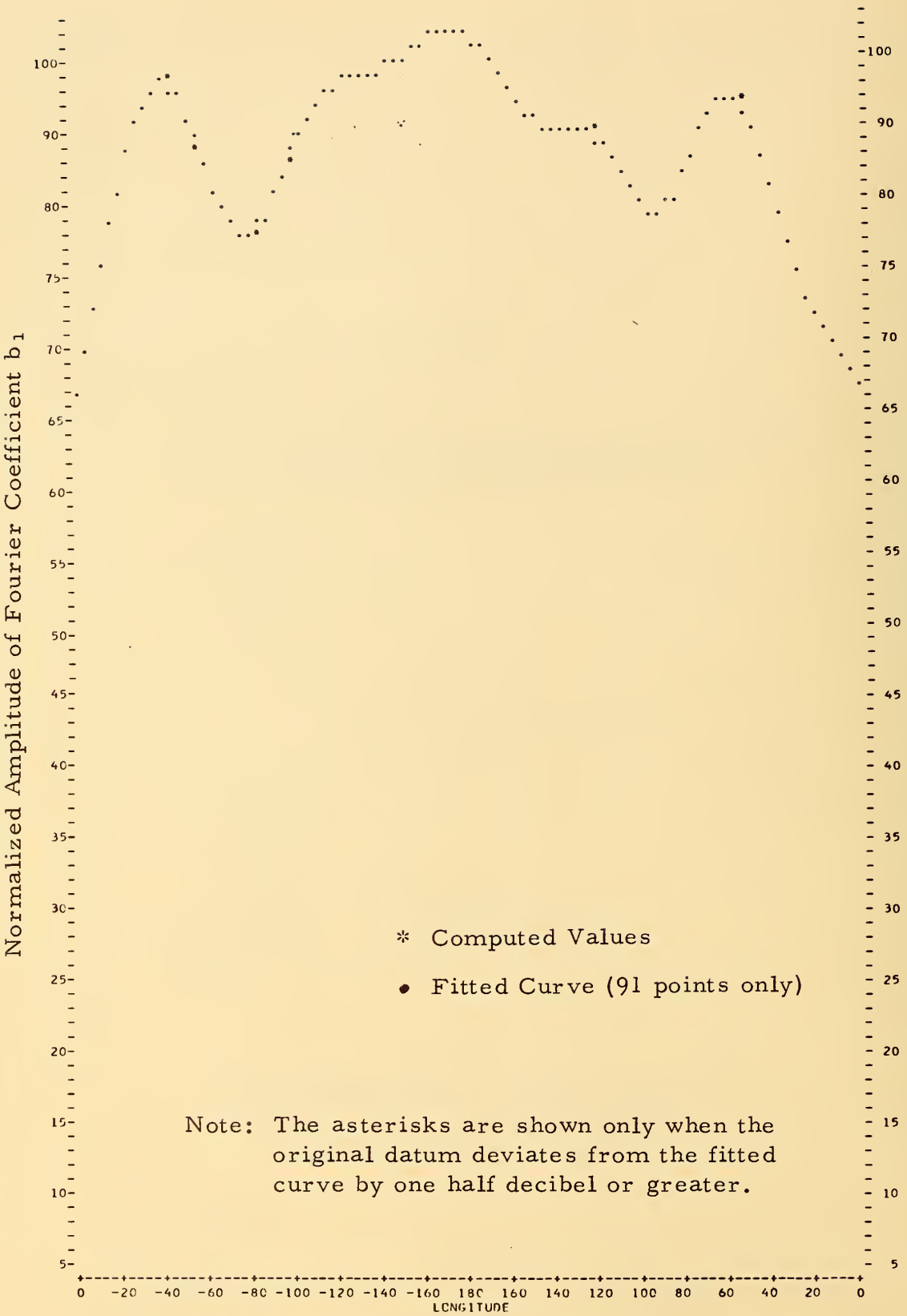


Figure 2. Sample Fit of Longitudinal Coefficient b_1

8. DESCRIPTIVE CONTOUR MAPS OF ATMOSPHERIC NOISE AT 1 MC/S, AND CHARTS SHOWING FREQUENCY DEPENDENCE OF MEDIANS AND DECILES

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

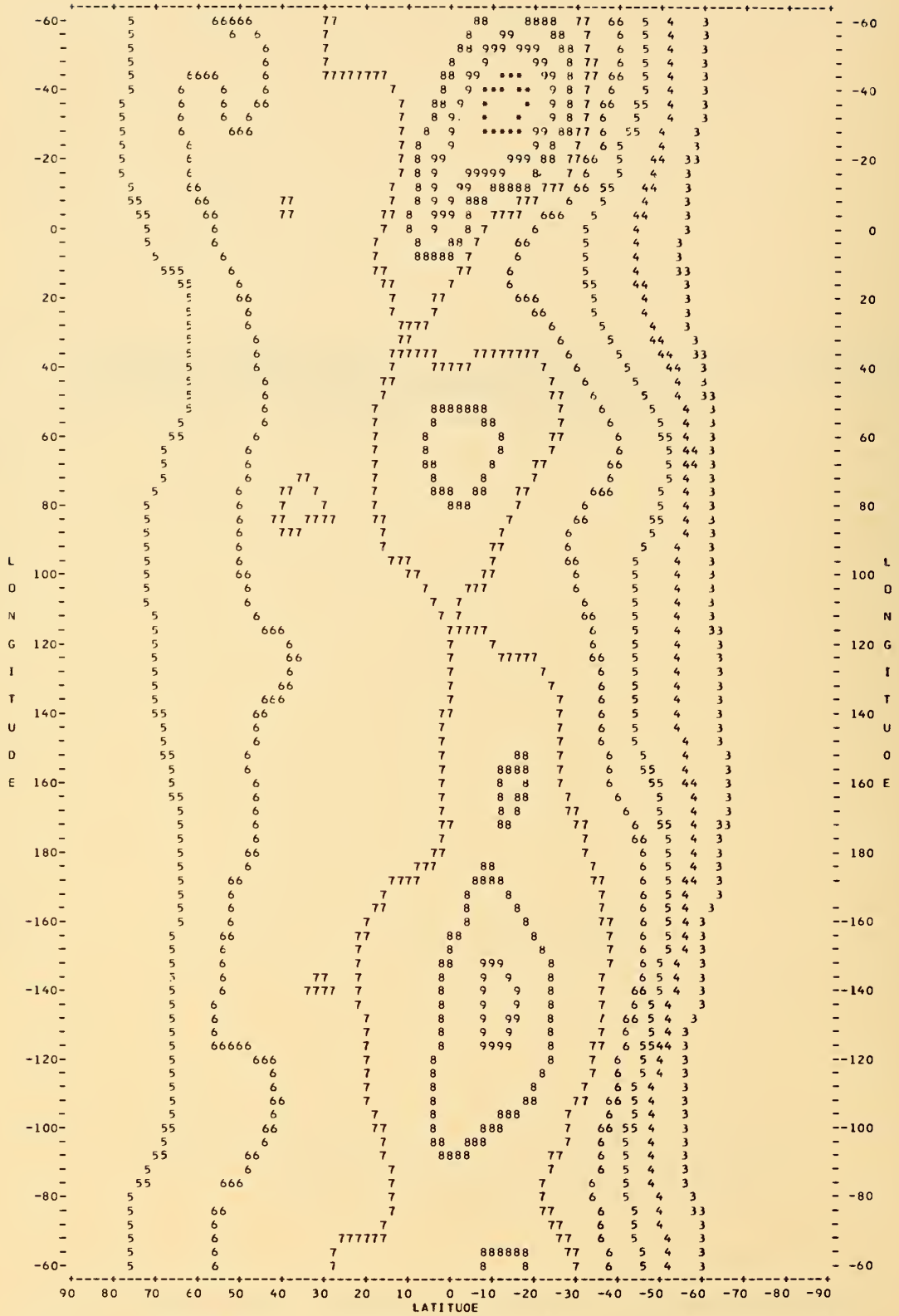


Figure 3. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise December-January-February (0000-0400 Local Mean Time)

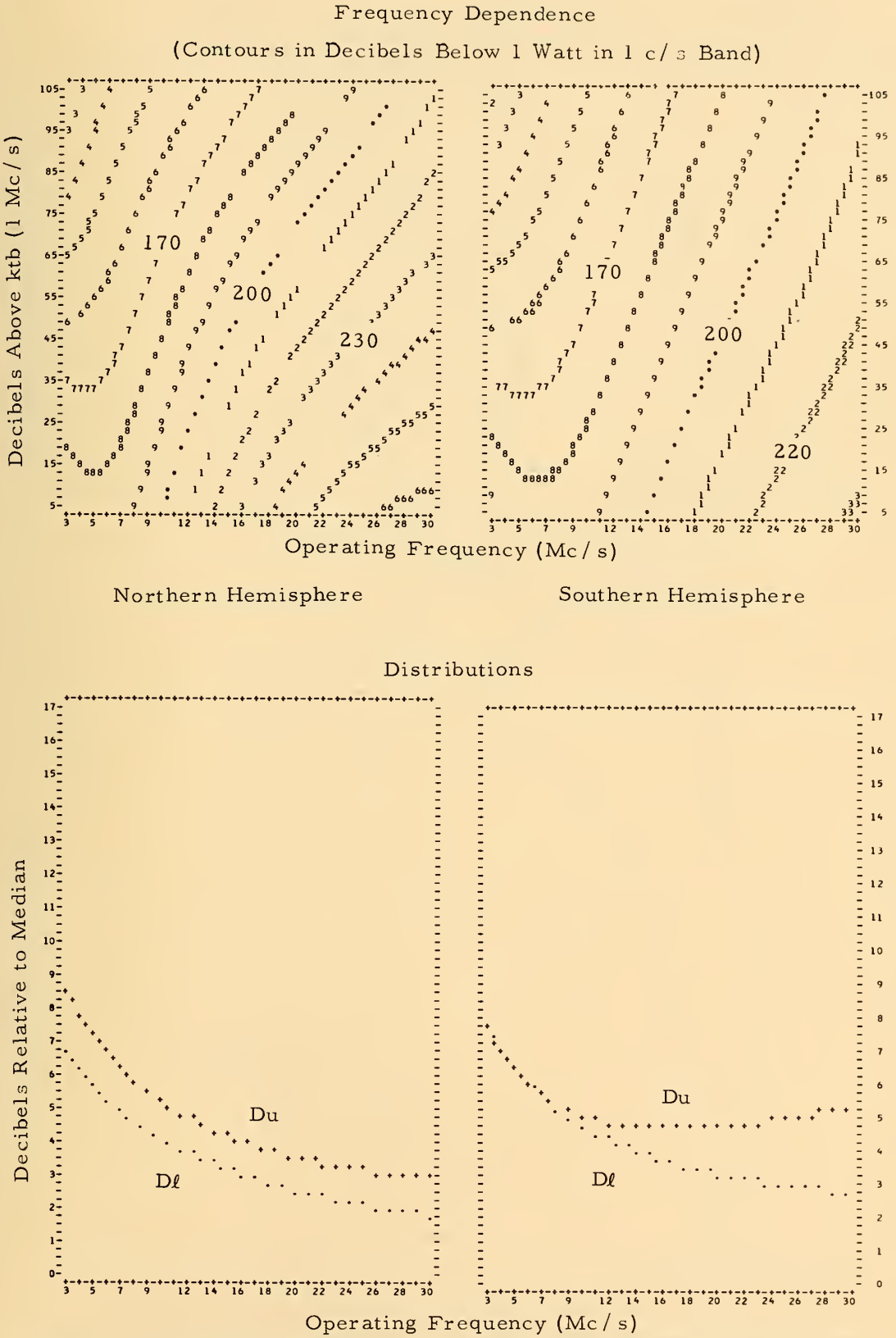


Figure 4. Frequency Dependence of Median and Deciles of Radio Noise
December-January-February (0000-0400 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

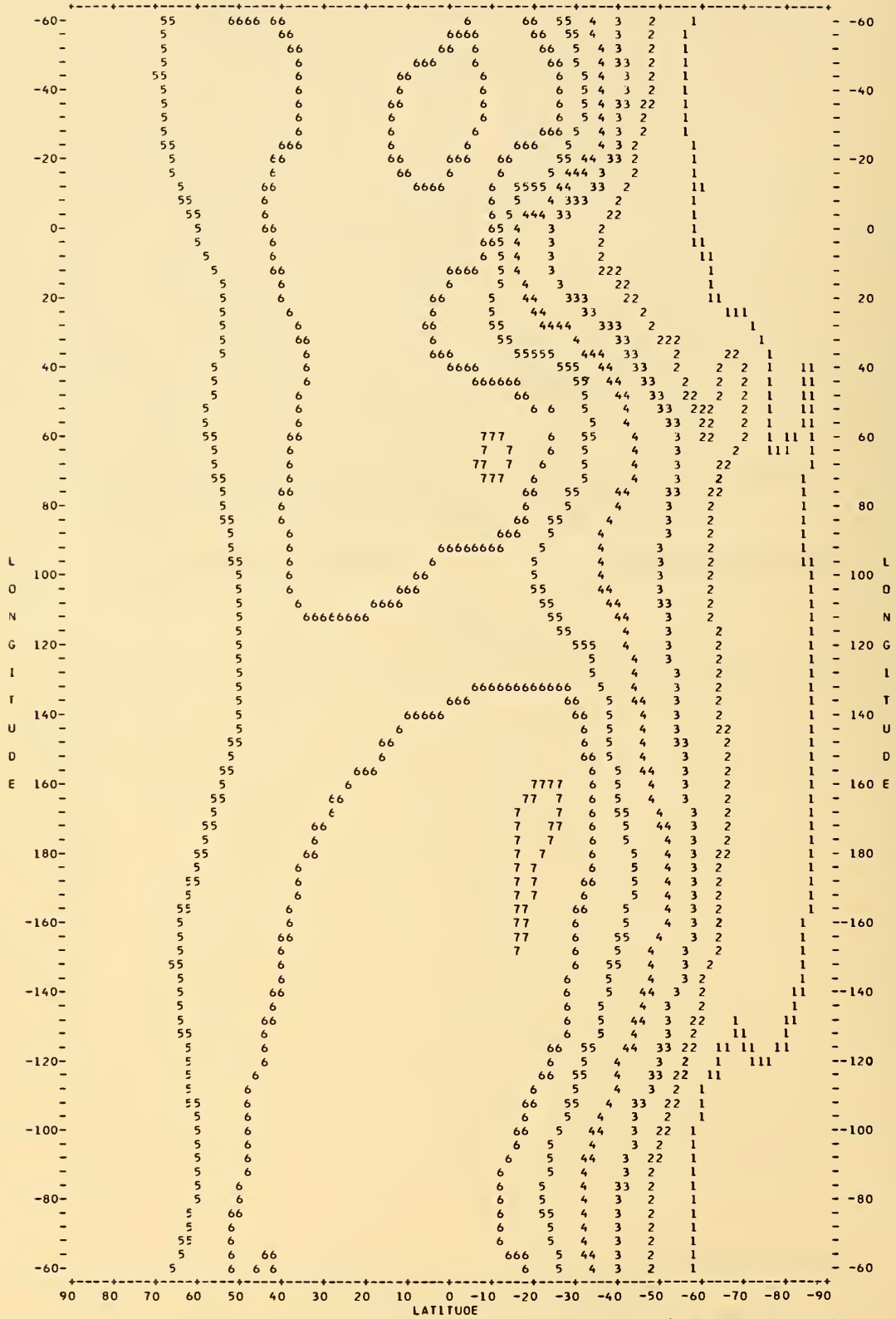


Figure 5. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise December-January-February (0400-0800 Local Mean Time)

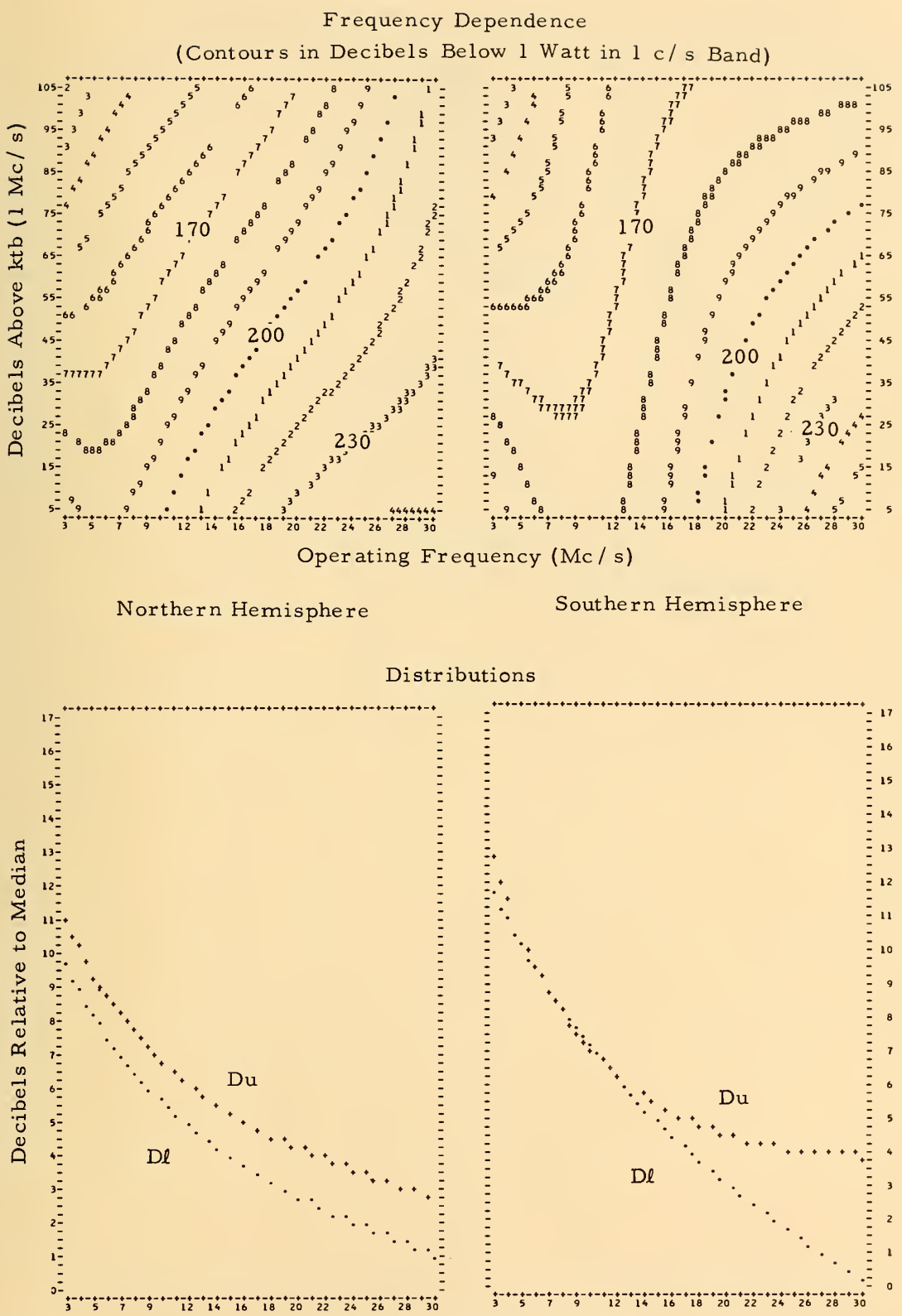


Figure 6. Frequency Dependence of Median and Deciles of Radio Noise
December-January-February (0400-0800 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

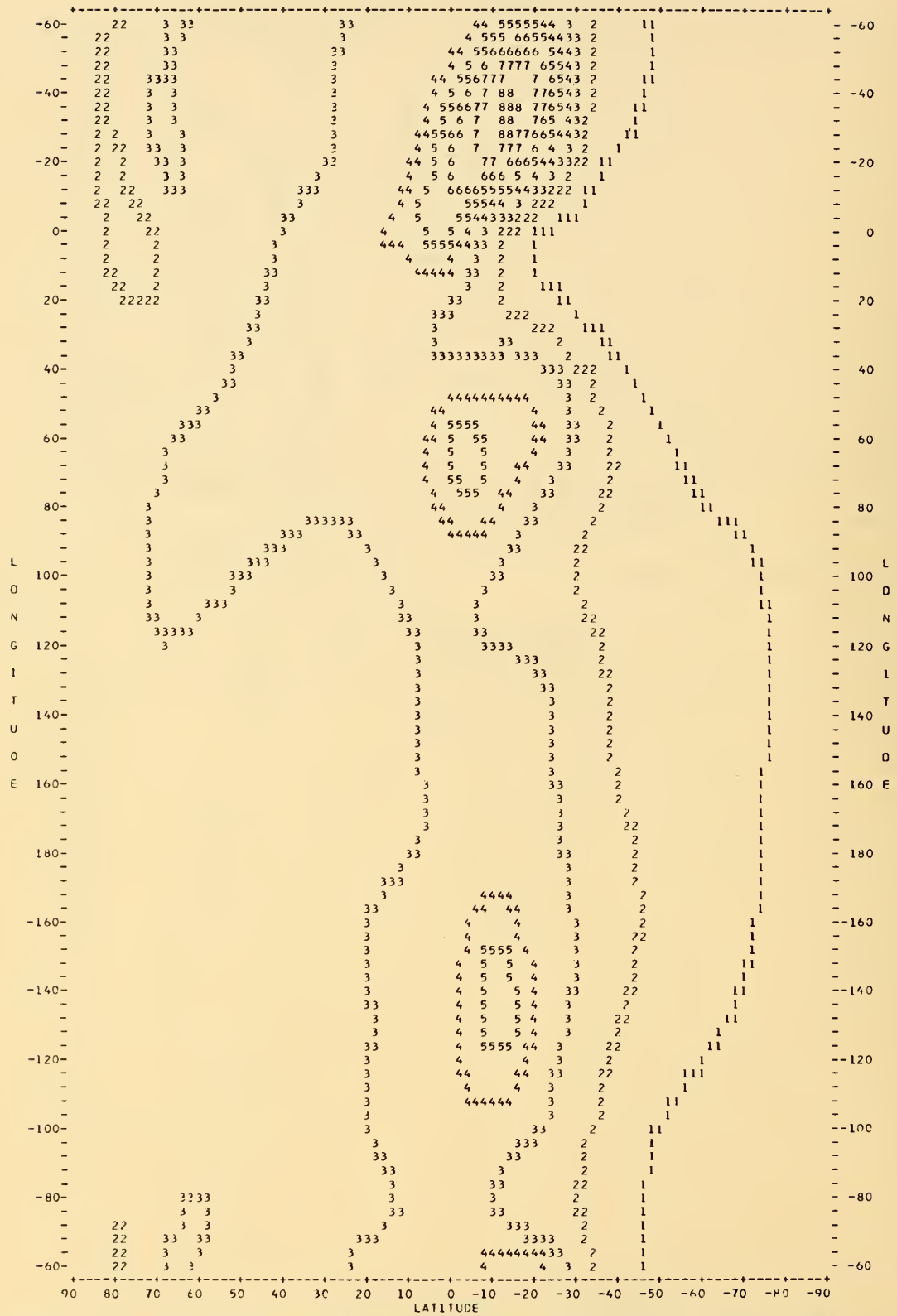


Figure 7. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise December-January-February (0800-1200 Local Mean Time)

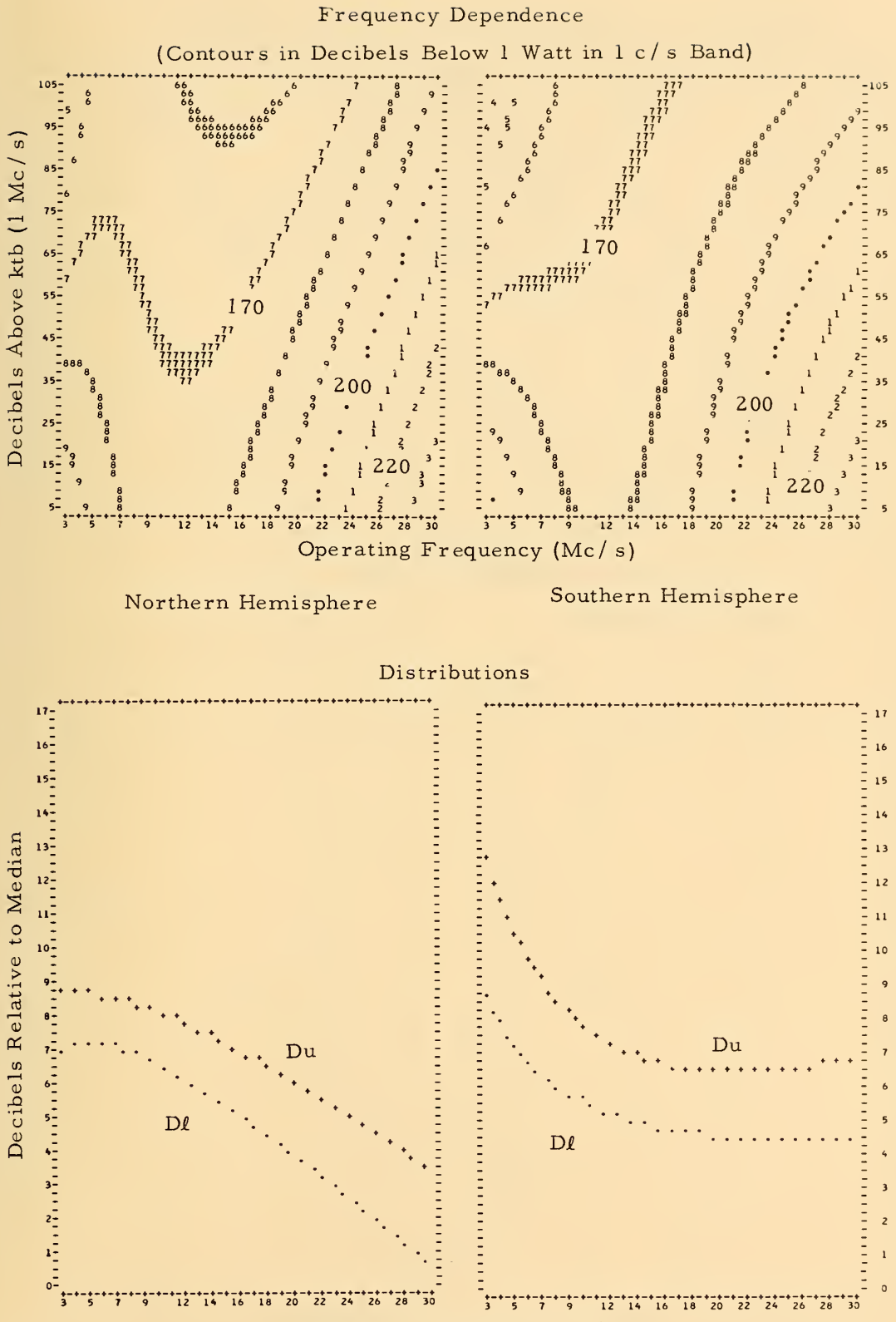


Figure 8. Frequency Dependence of Median and Deciles of Radio Noise December-January-February (0800-1200 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

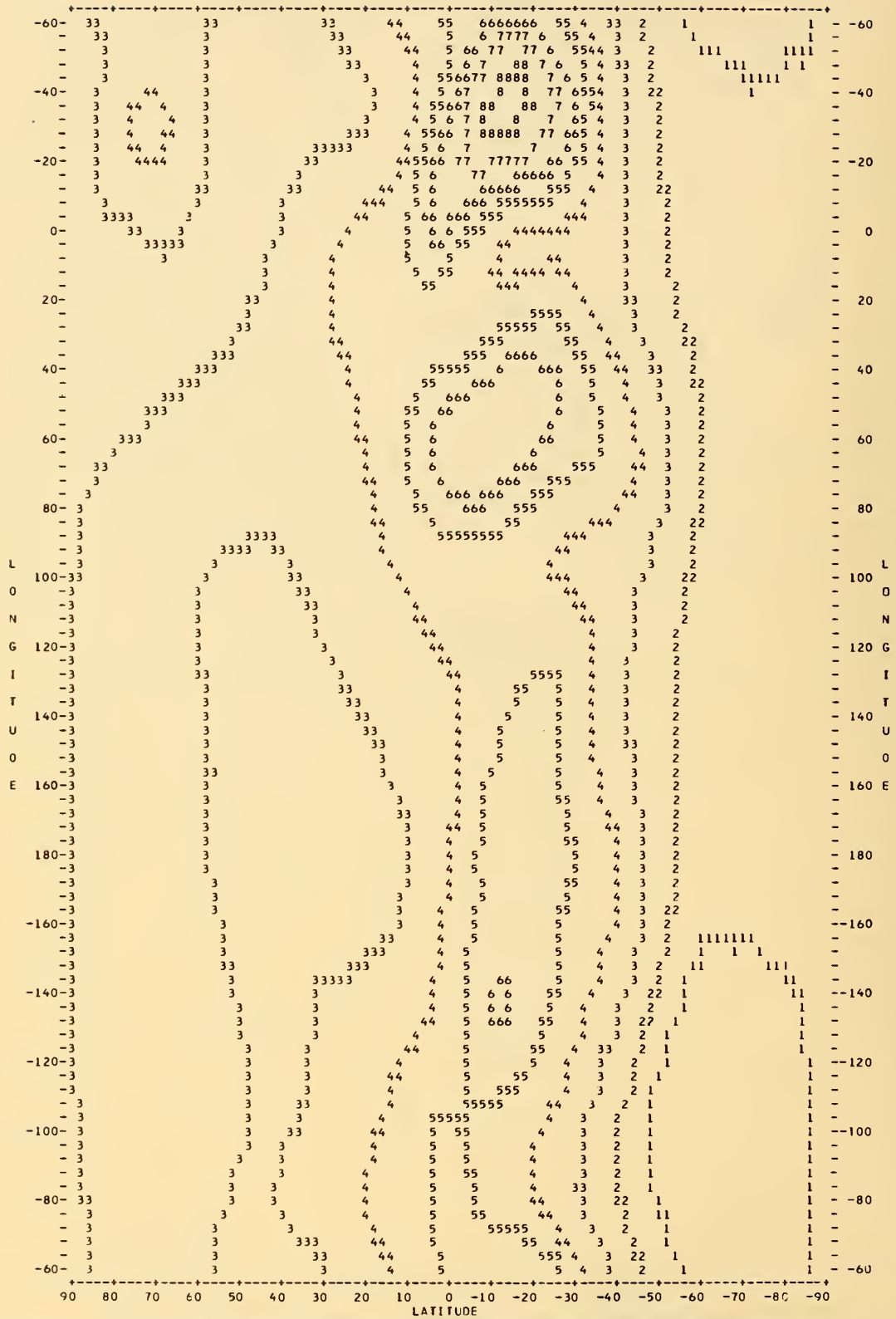


Figure 9. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise December-January-February (1200-1600 Local Mean Time)

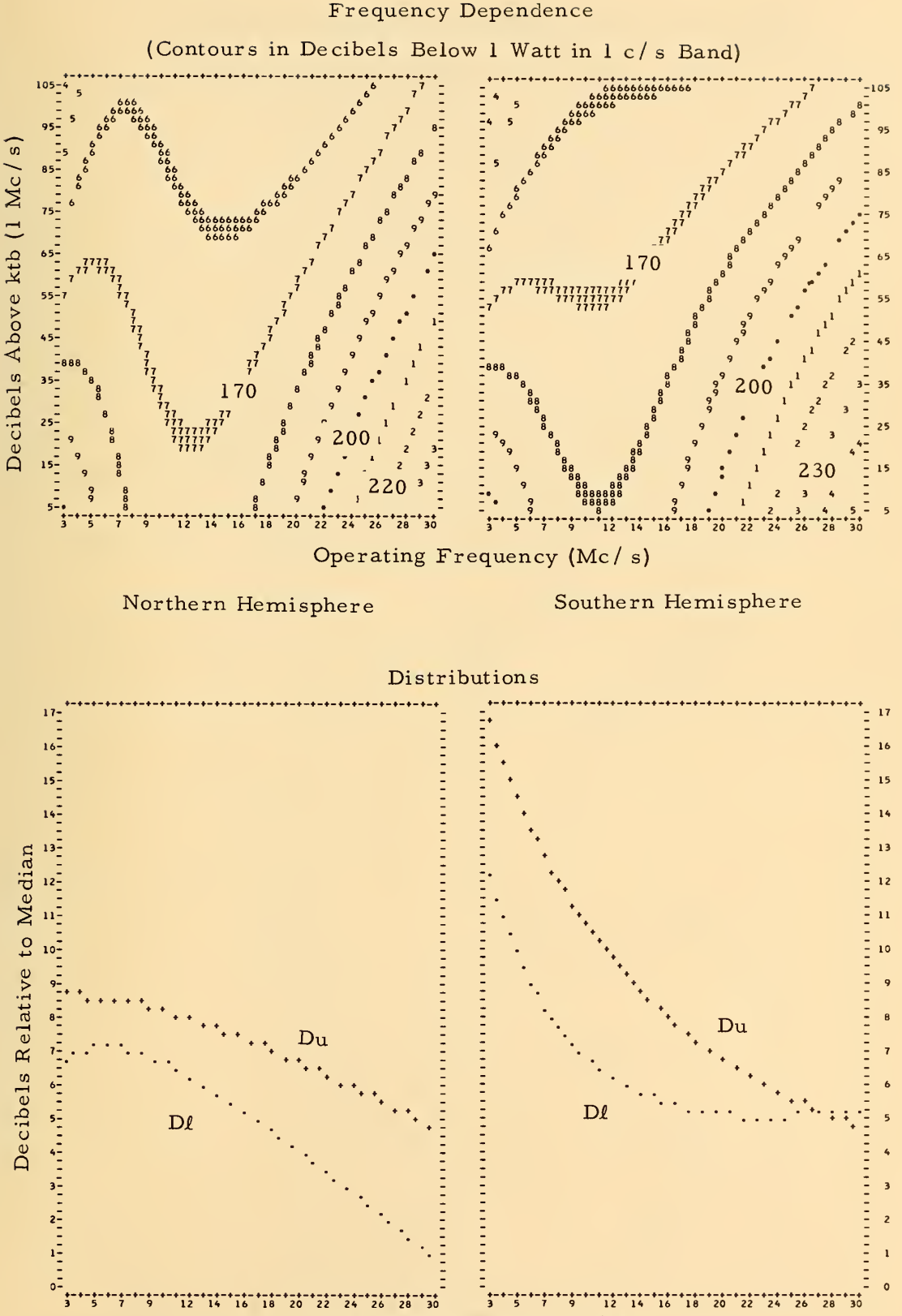


Figure 10. Frequency Dependence of Median and Deciles of Radio Noise December-January-February (1200-1600 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

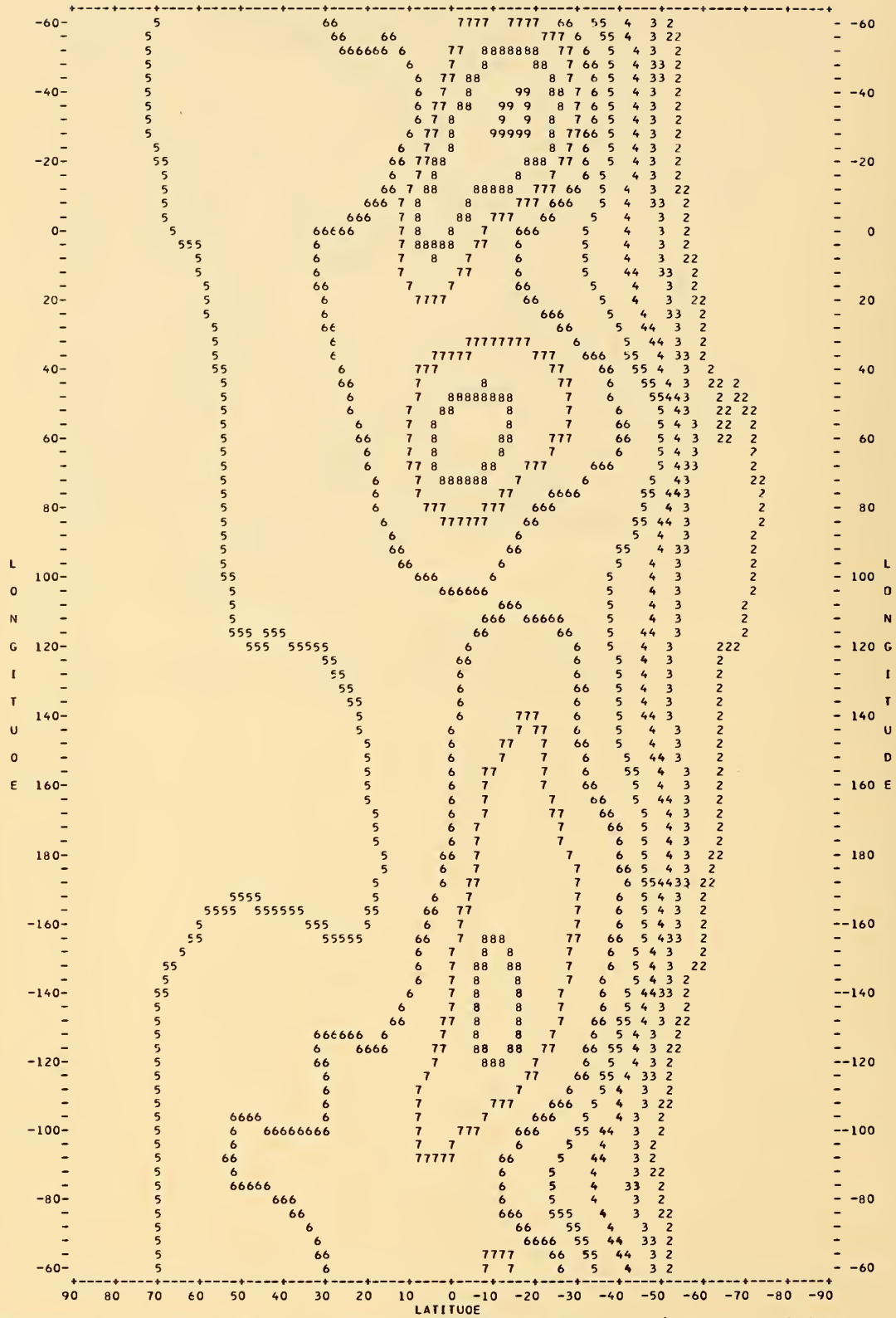


Figure 11. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise
December-January-February (1600-2000 Local Mean Time)

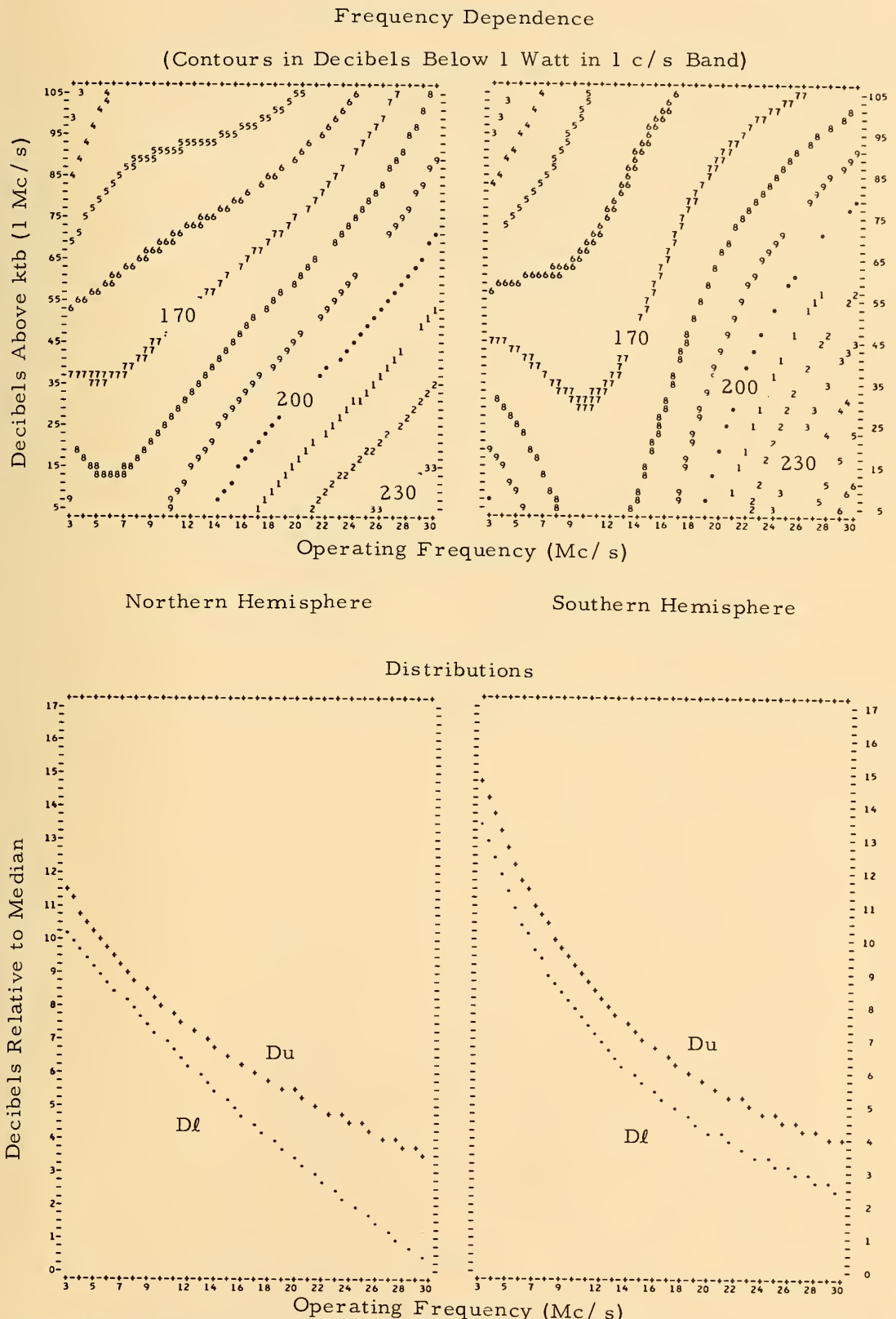


Figure 12. Frequency Dependence of Median and Deciles of Radio Noise December-January-February (1600-2000 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

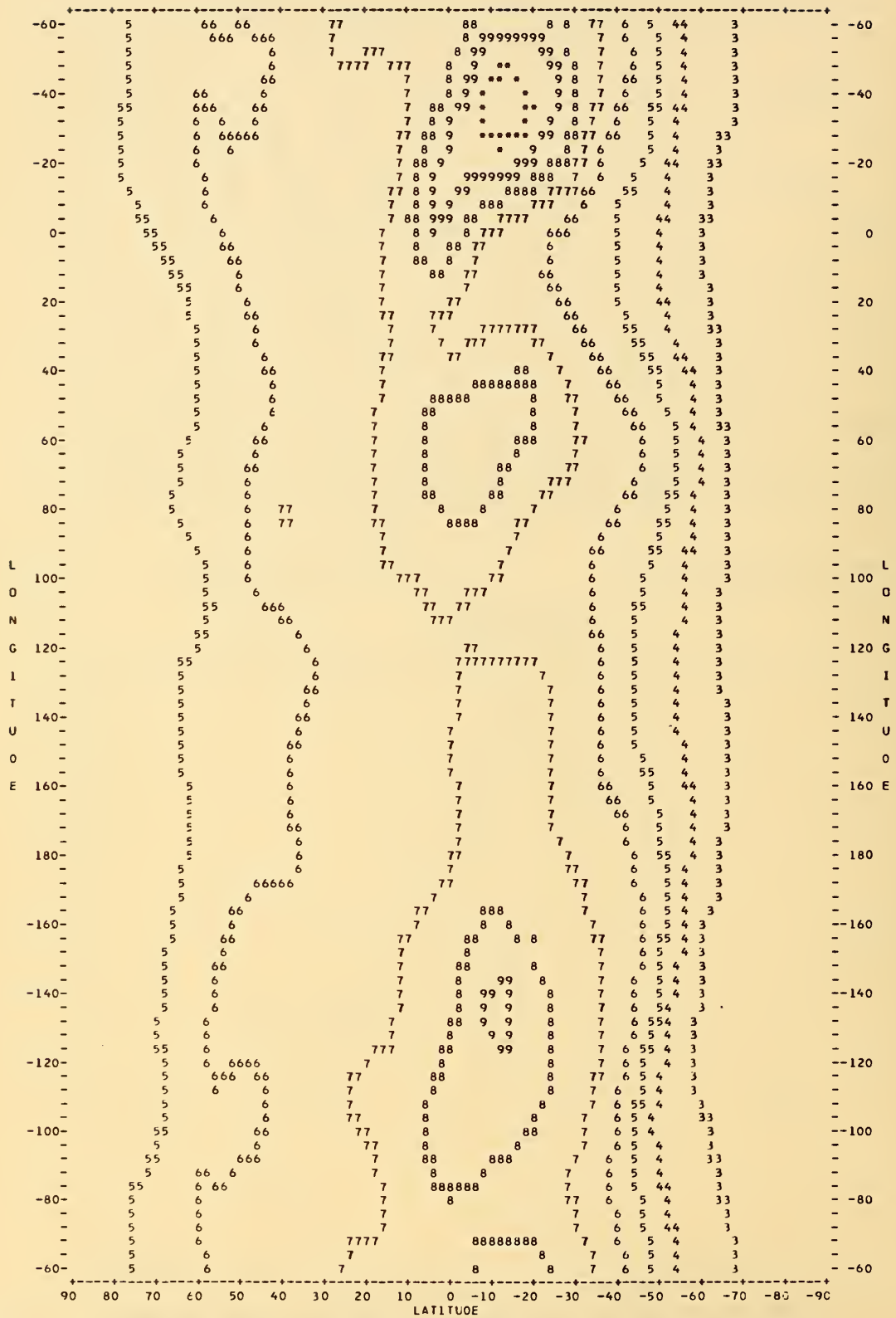


Figure 13. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise
December-January-February (2000-2400 Local Mean Time)

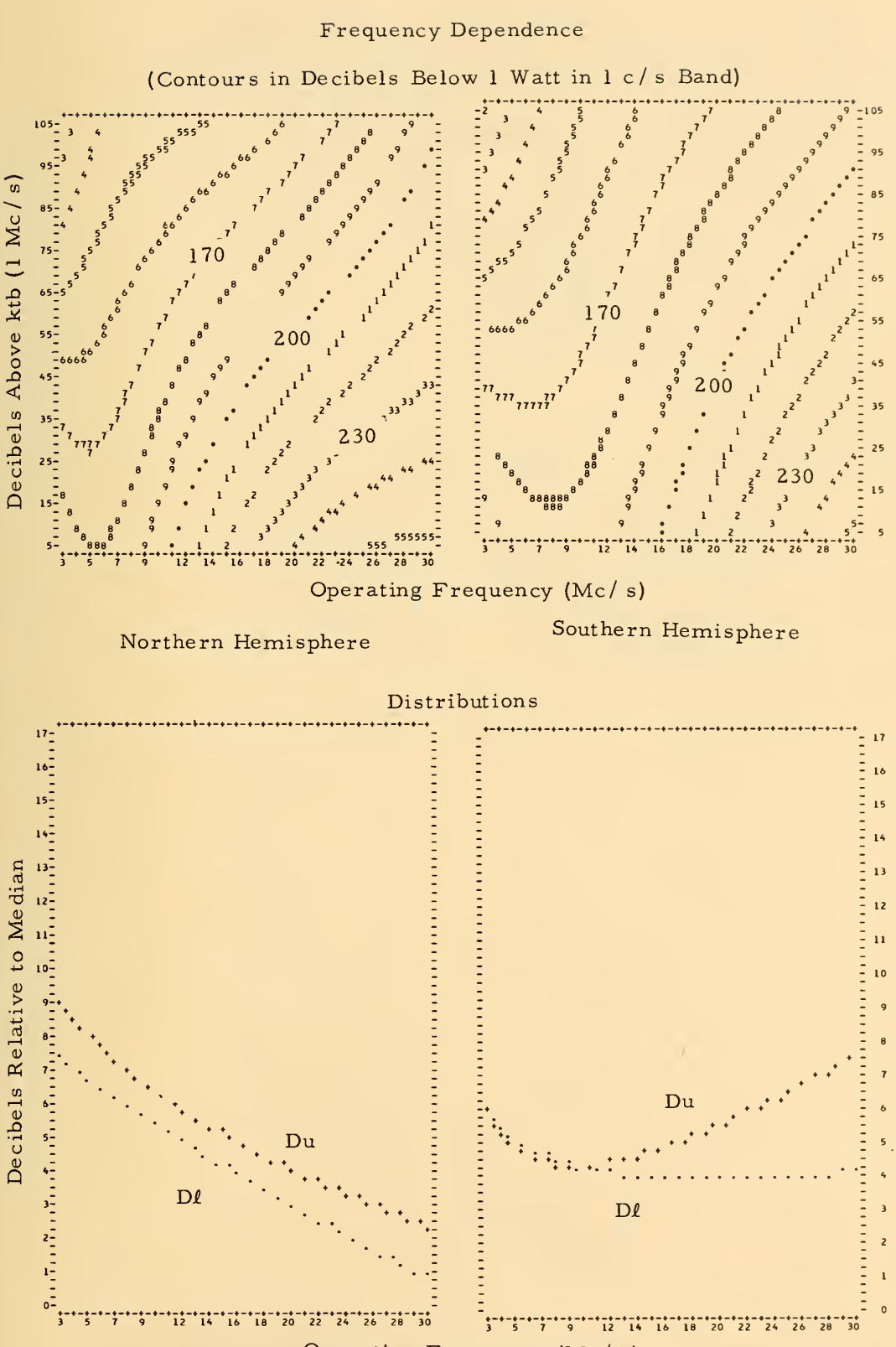


Figure 14. Frequency Dependence of Median and Deciles of Radio Noise December-January-February (2000-2400 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

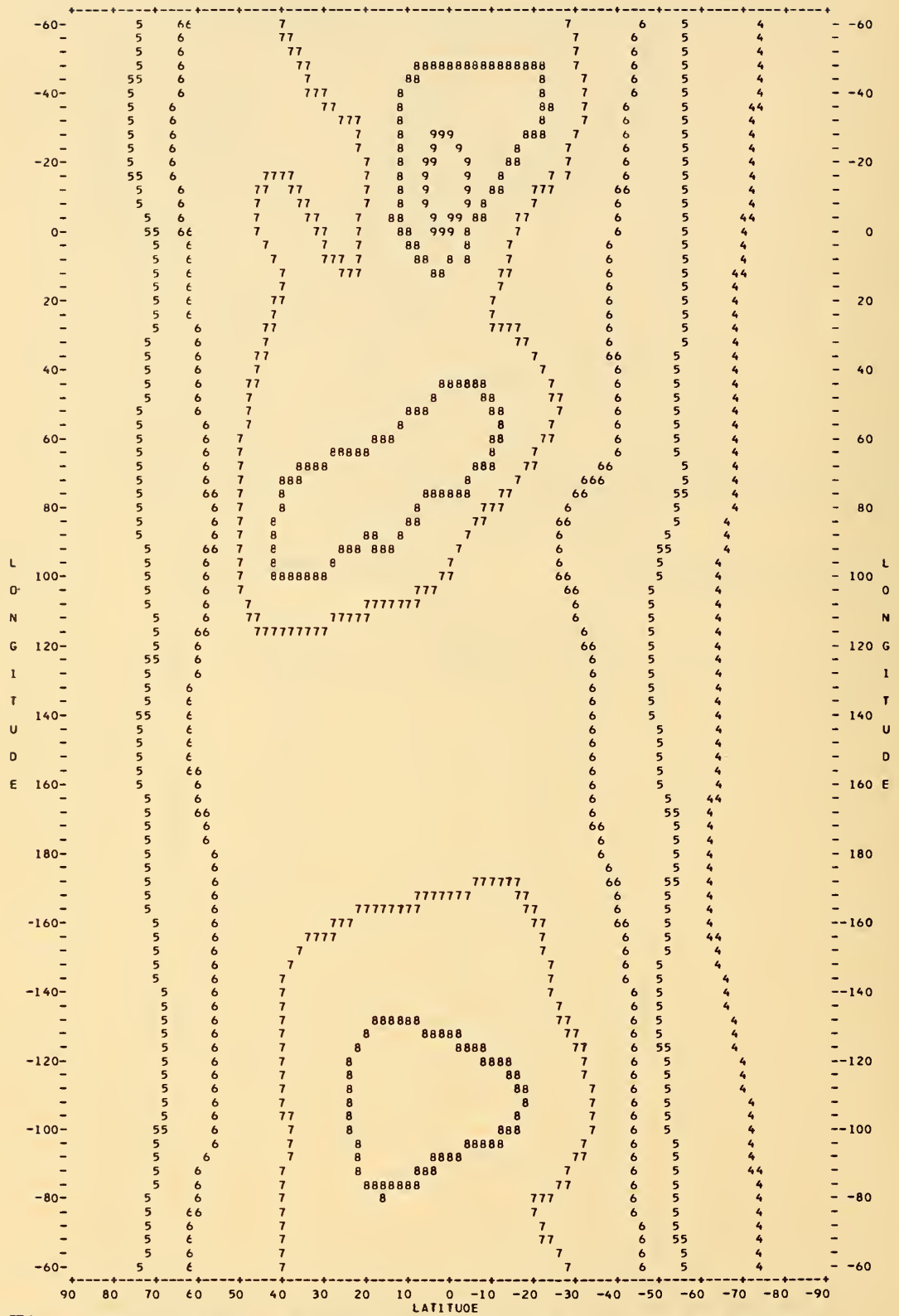


Figure 15. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise March-April-May (0000-0400 Local Mean Time)

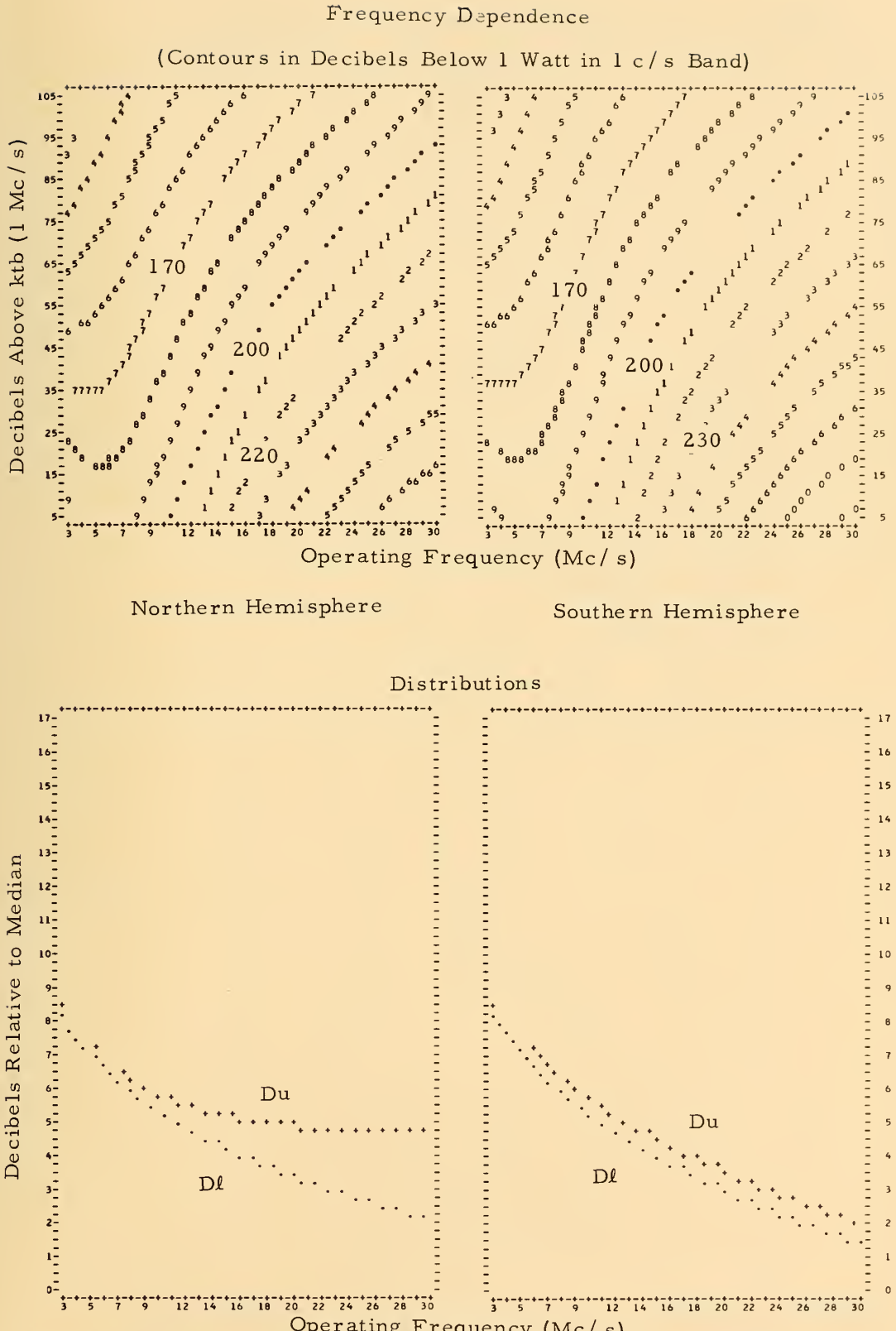


Figure 16. Frequency Dependence of Median and Deciles of Radio Noise March-April-May (0000-0400 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

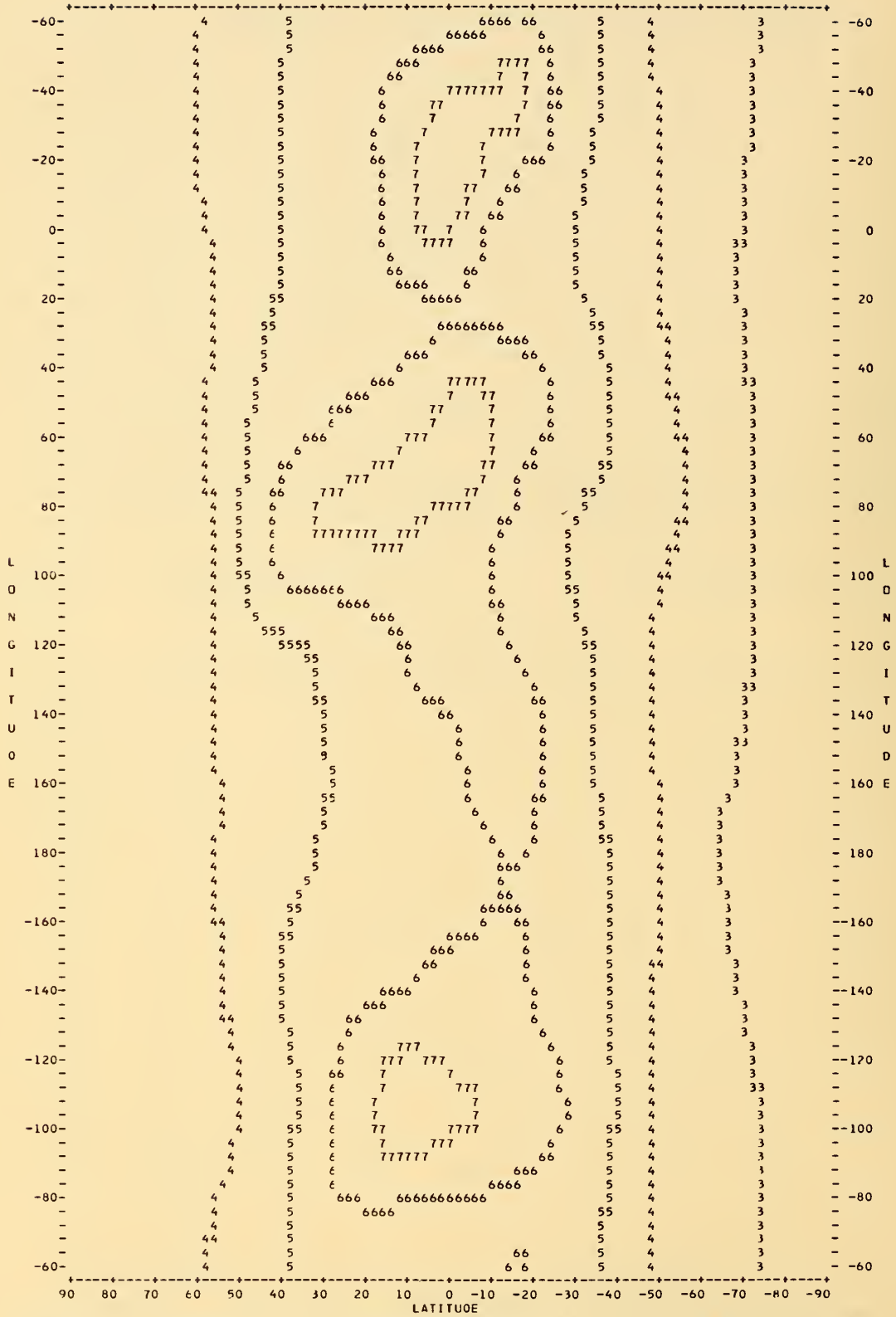


Figure 17. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise March-April-May (0400-0800 Local Mean Time)

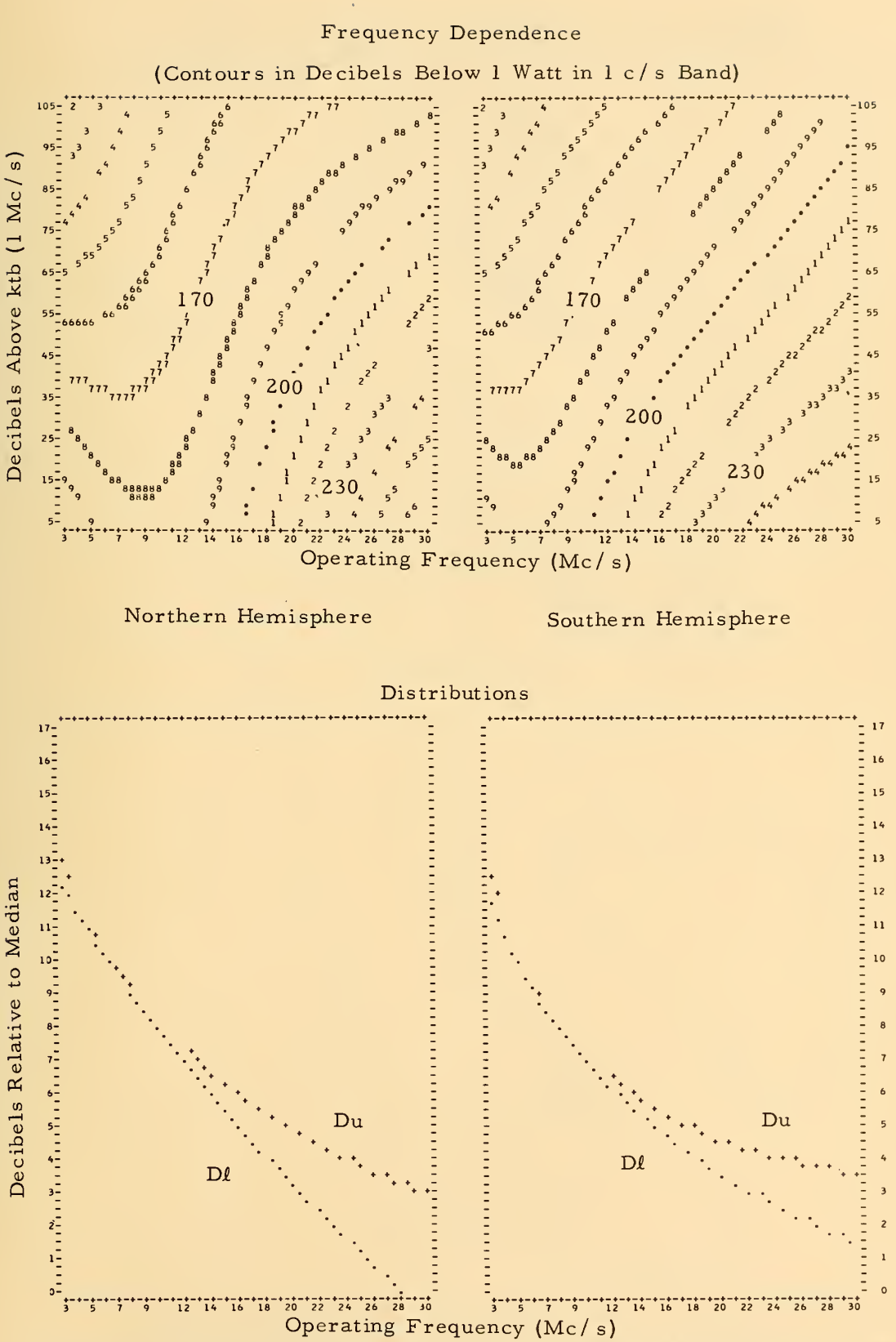


Figure 18. Frequency Dependence of Median and Deciles of Radio Noise March-April-May (0400-0800 Local Mean Time)

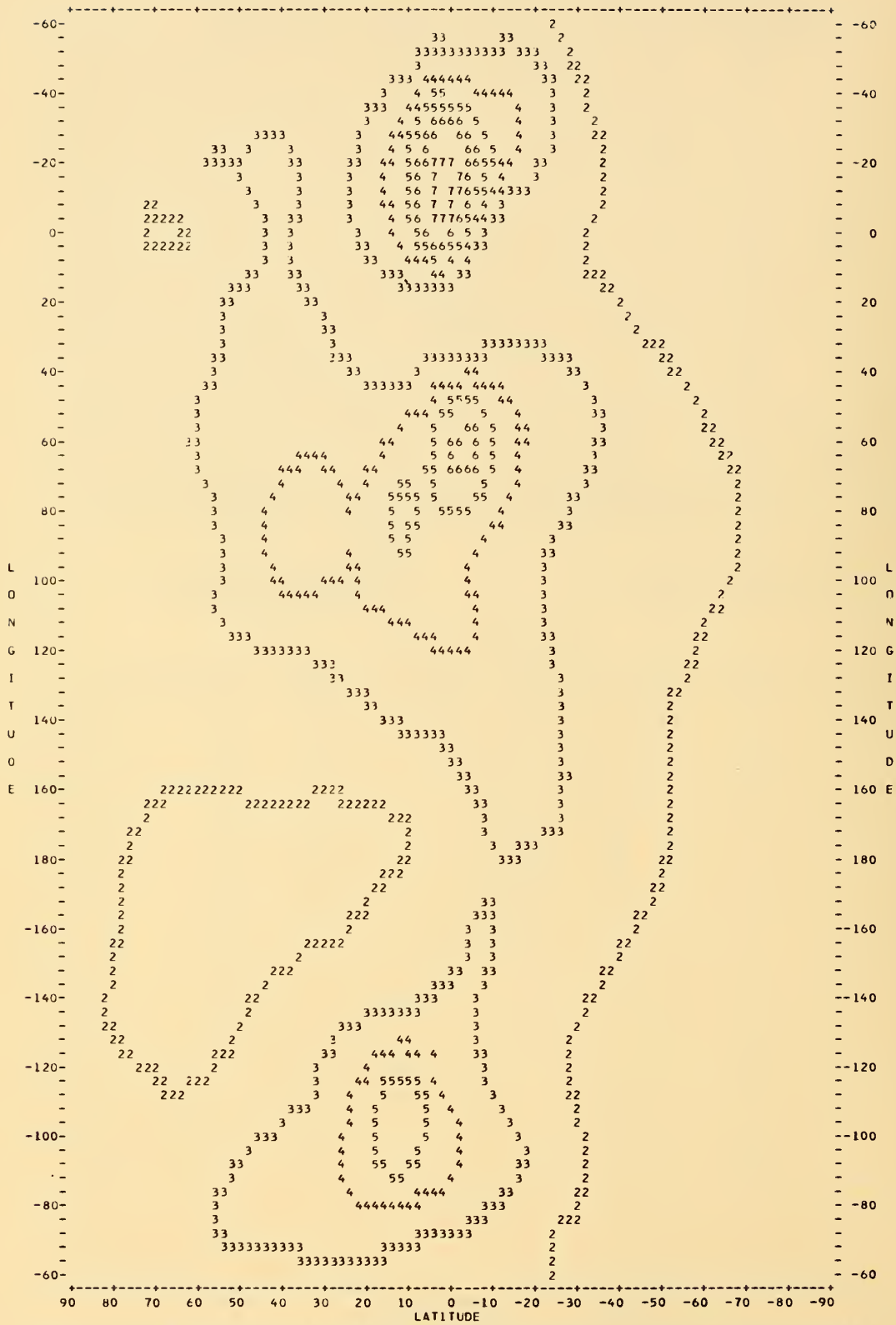


Figure 19. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise March-April-May (0800-1200 Local Mean Time)

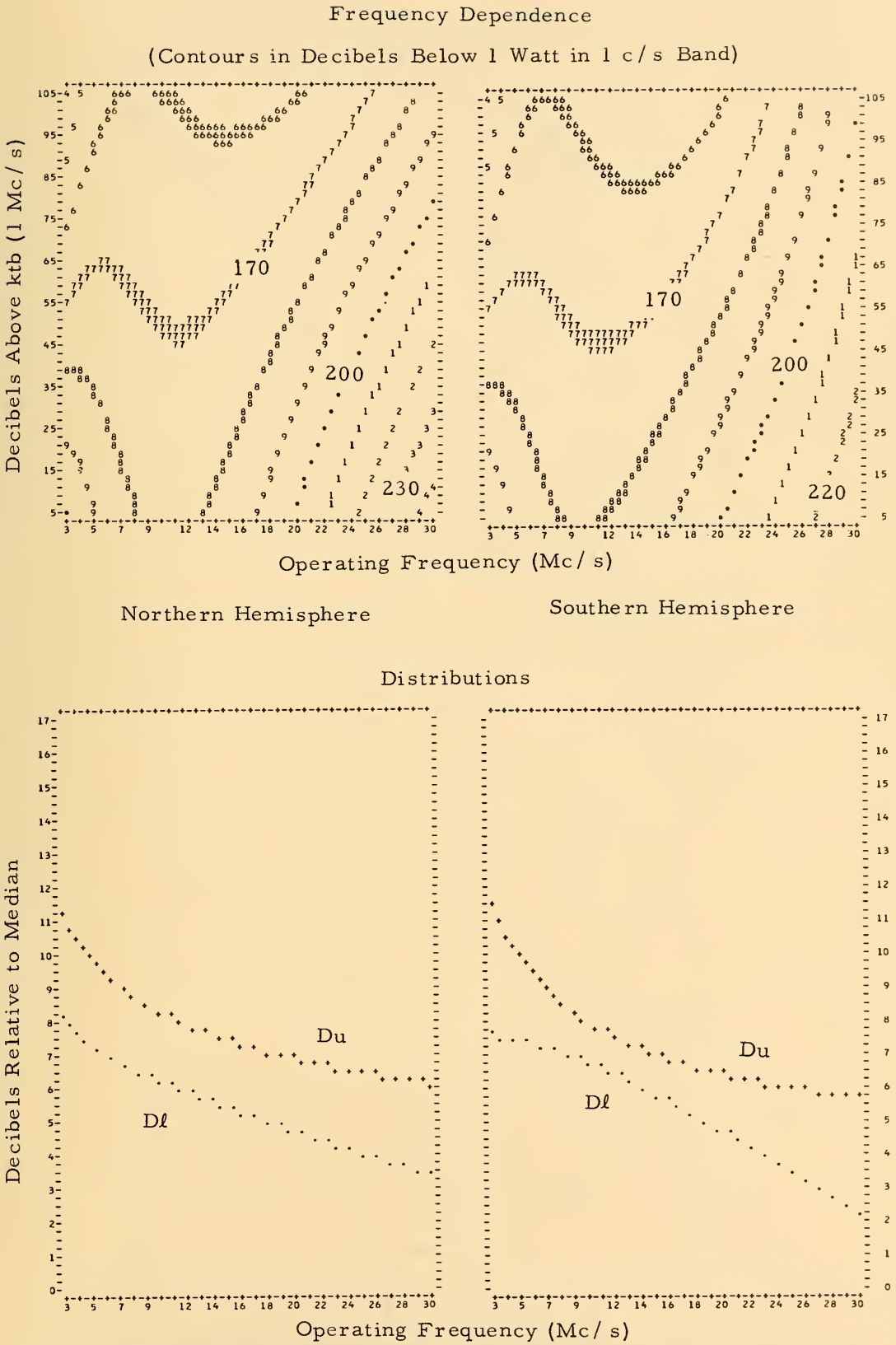


Figure 20. Frequency Dependence of Median and Deciles of Radio Noise March-April-May (0800-1200 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

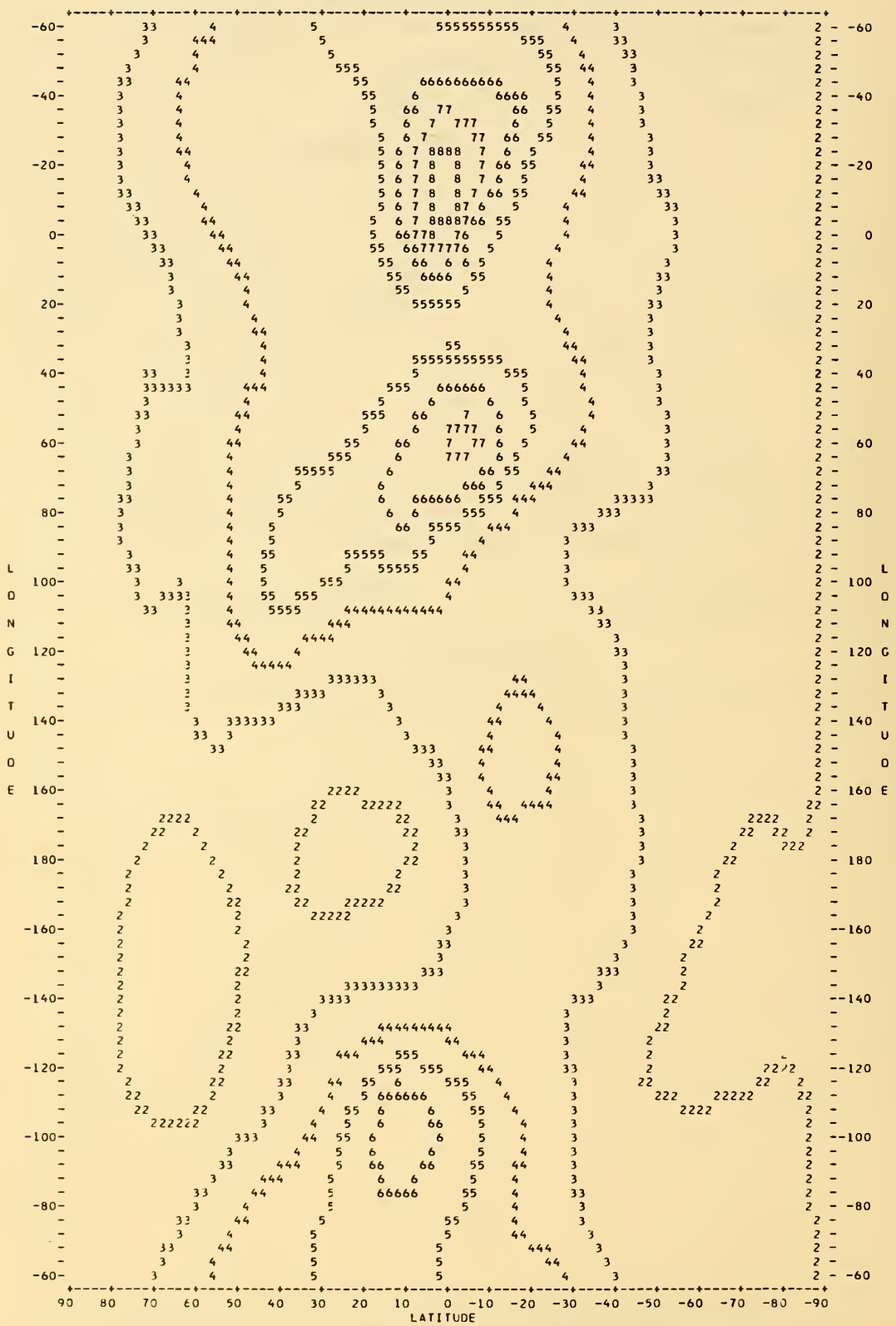
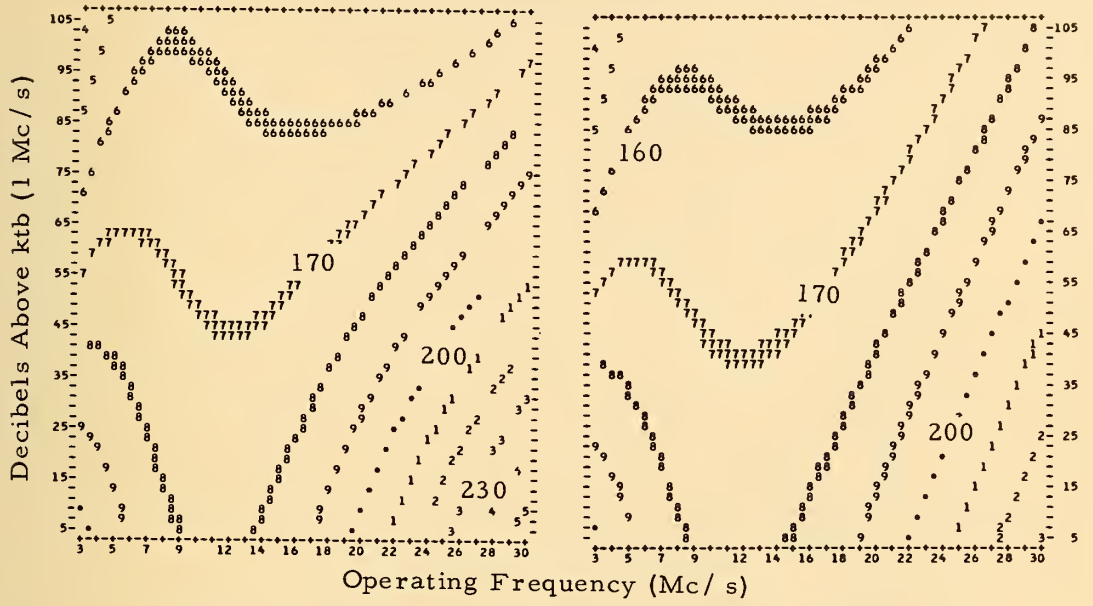


Figure 21. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise March-April-May (1200-1600 Local Mean Time)

Frequency Dependence

(Contours in Decibels Below 1 Watt in 1 c/s Band)



Northern Hemisphere

Southern Hemisphere

Distributions

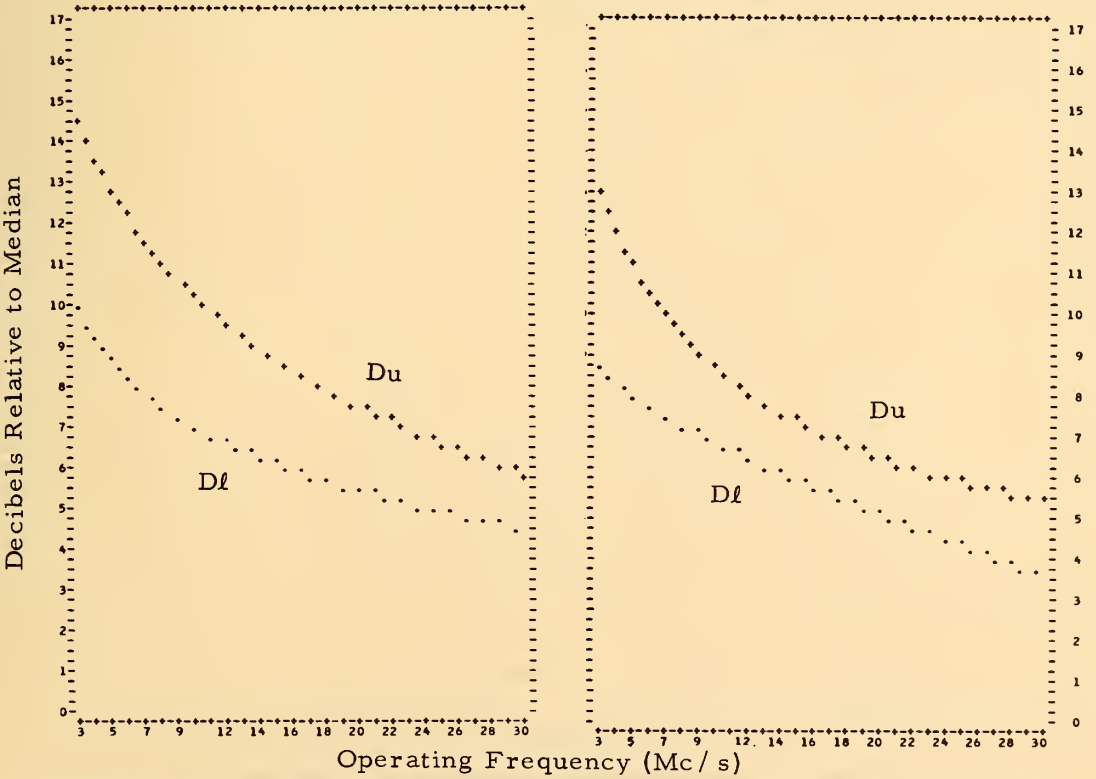


Figure 22. Frequency Dependence of Median and Deciles of Radio Noise March-April-May (1200-1600 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

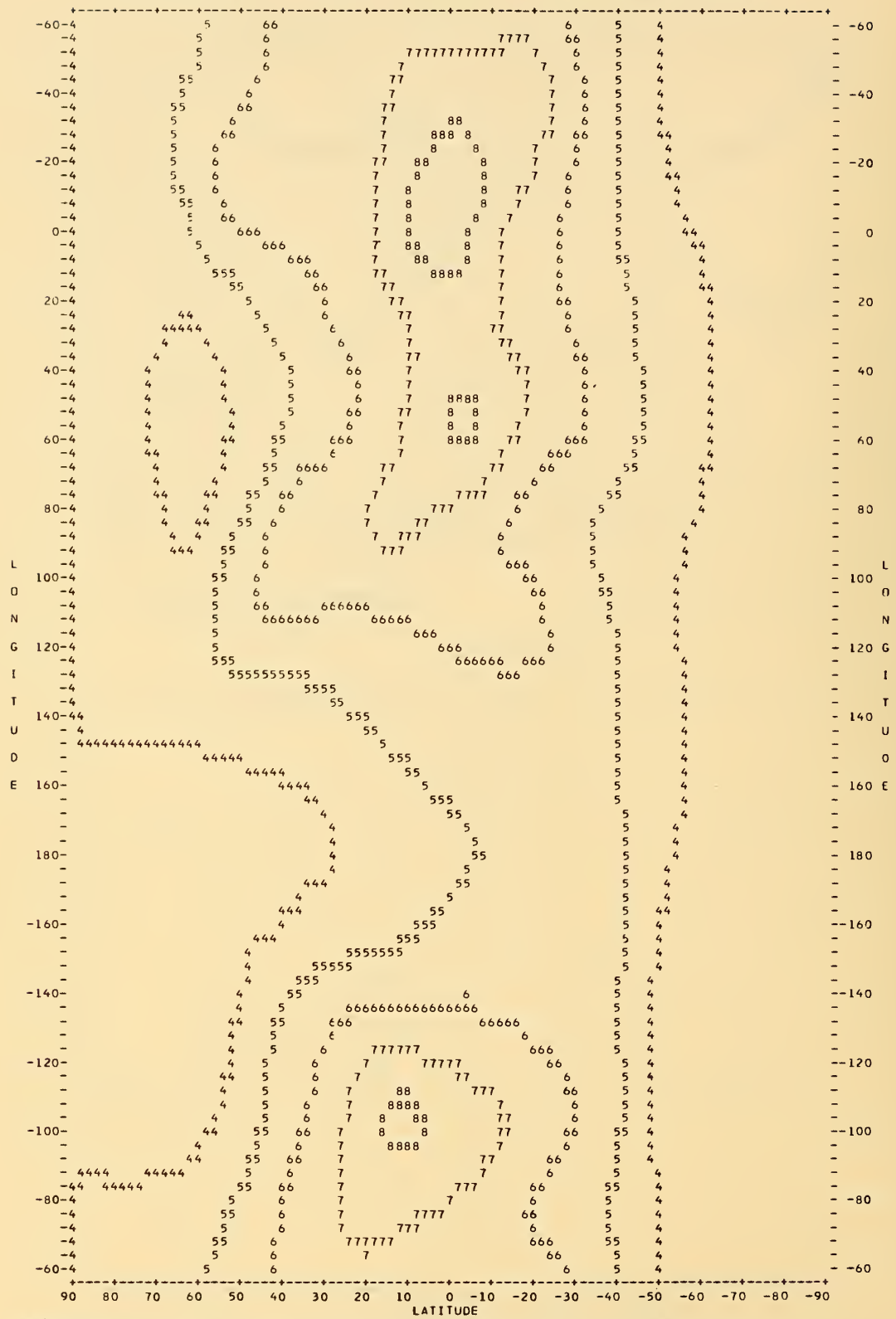
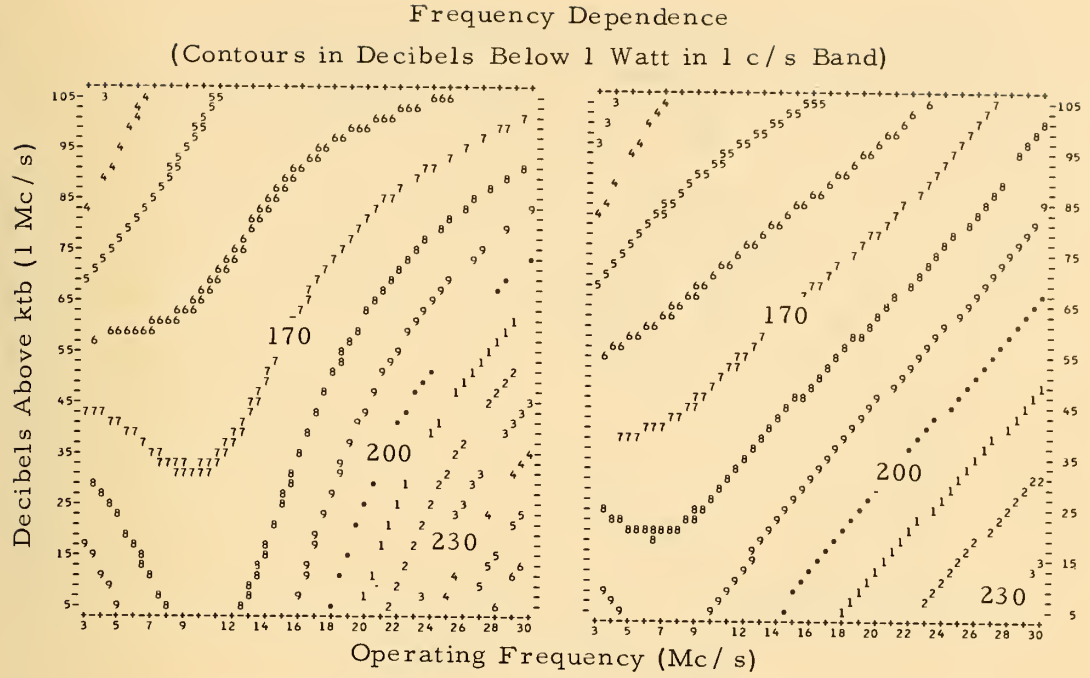


Figure 23. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise March-April-May (1600-2000 Local Mean Time)



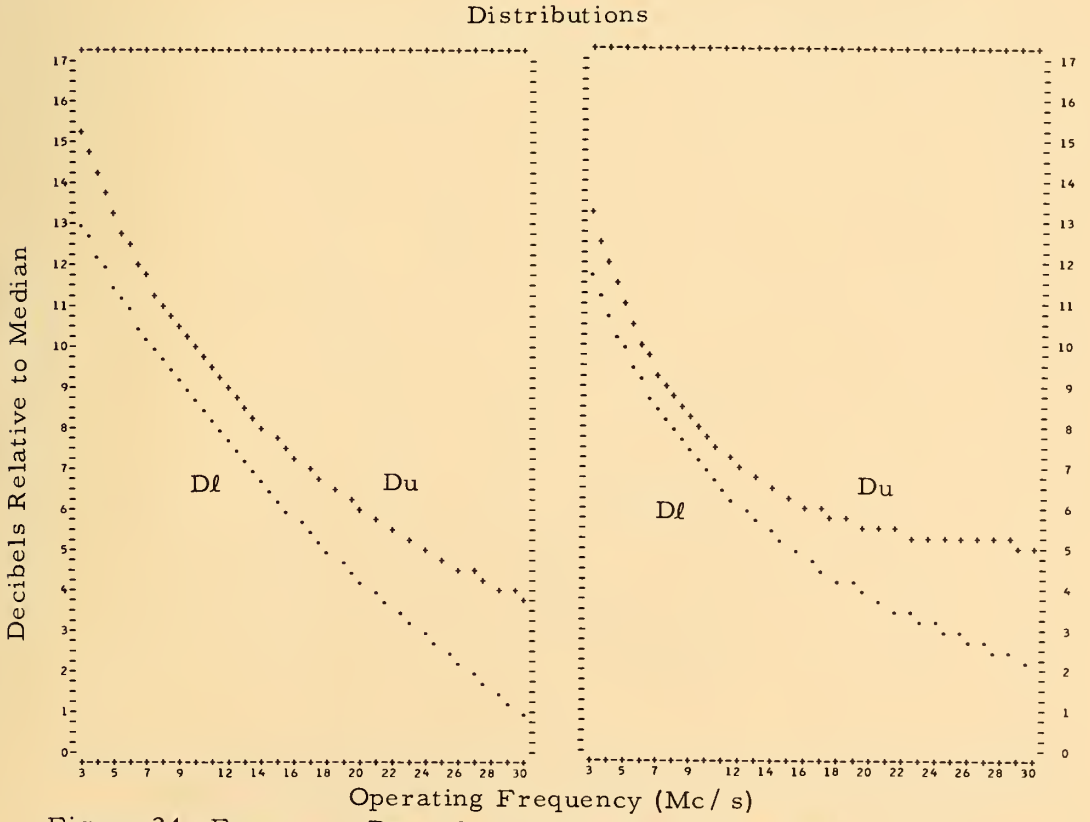


Figure 24. Frequency Dependence of Median andDeciles of Radio Noise March-April-May (1600-2000 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

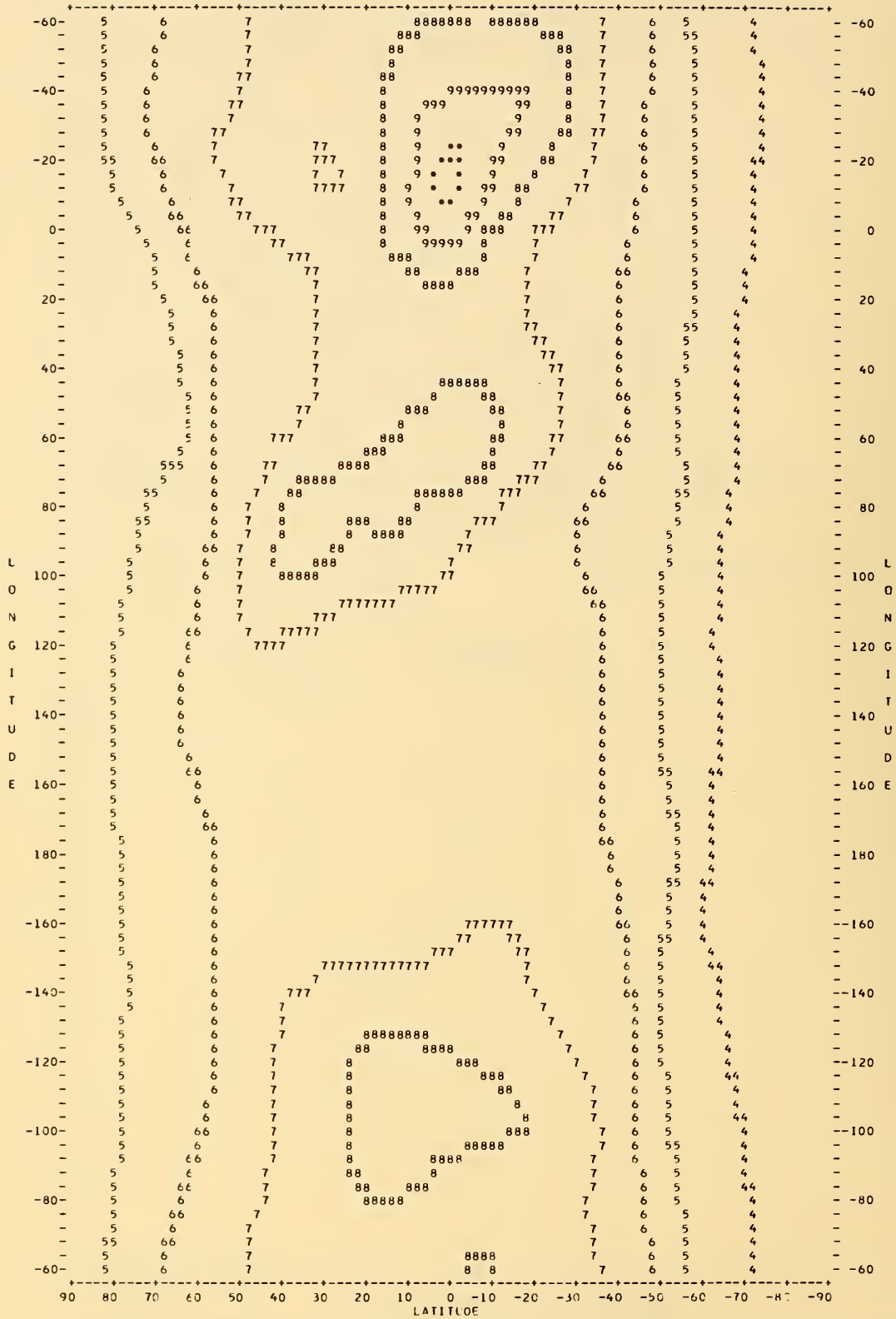


Figure 25. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise March-April-May (2000-2400 Local Mean Time)

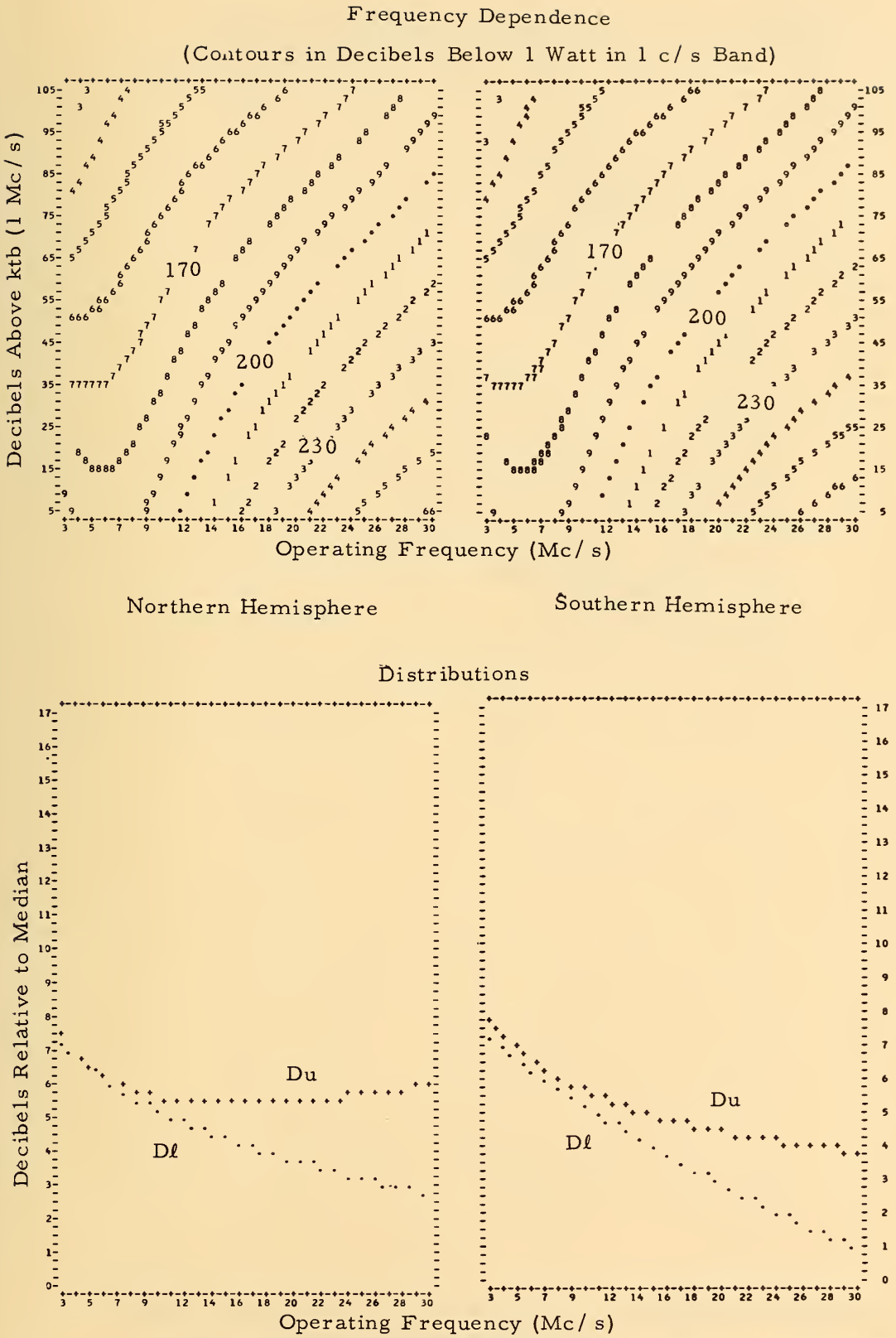


Figure 26. Frequency Dependence of Median and Deciles of Radio Noise March-April-May (2000-2400 Local Mean Time)

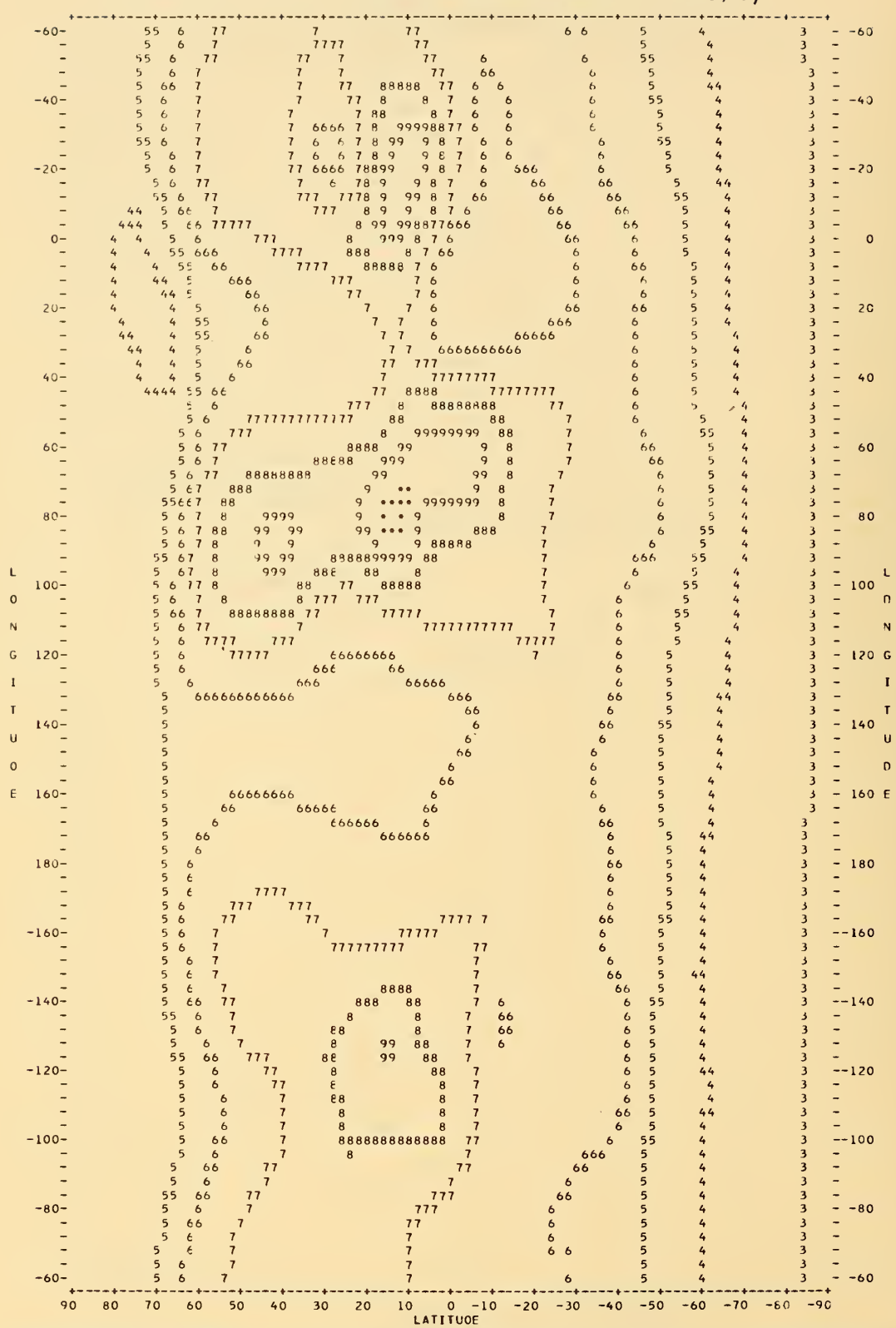
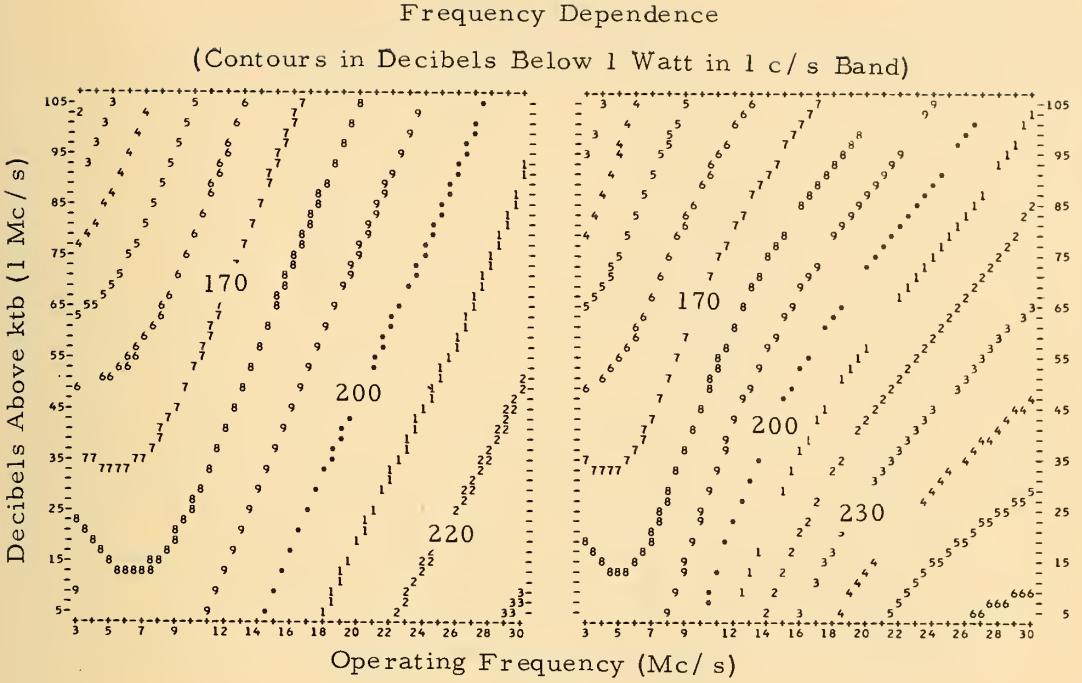


Figure 27. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise June-July-August (0000-0400 Local Mean Time)



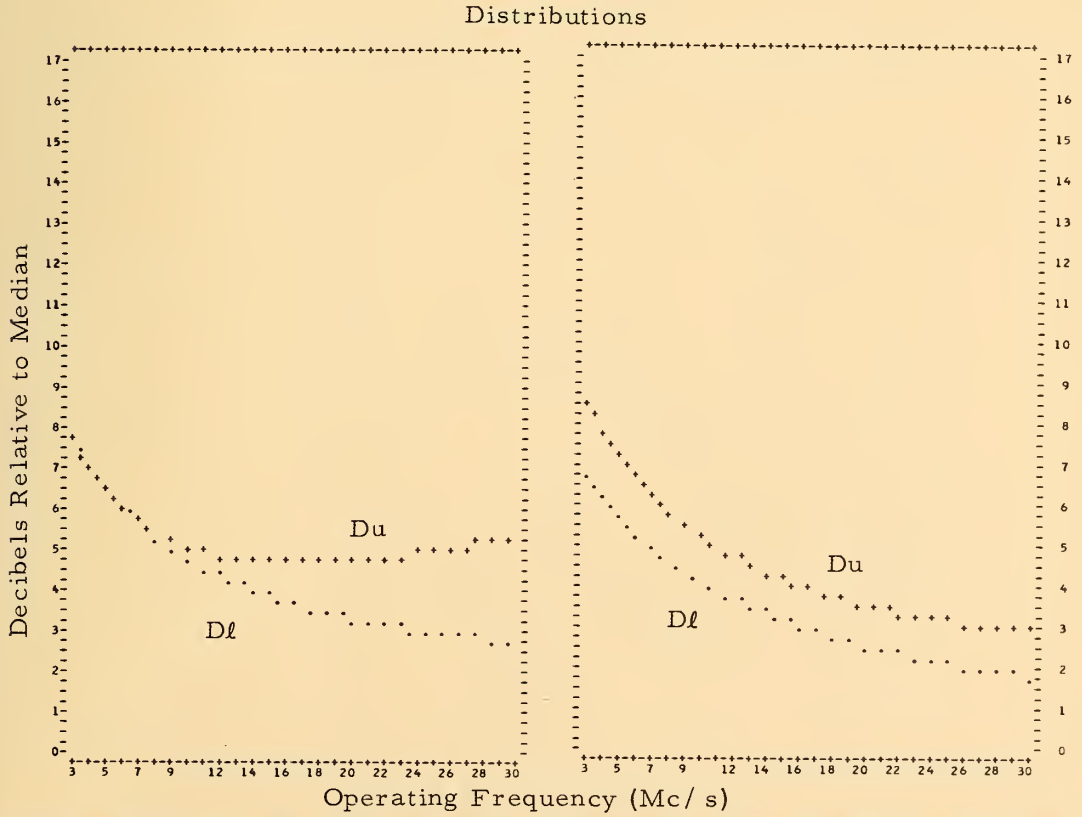


Figure 28. Frequency Dependence of Median and Deciles of Radio Noise June-July-August (0000-0400 Local Mean Time)

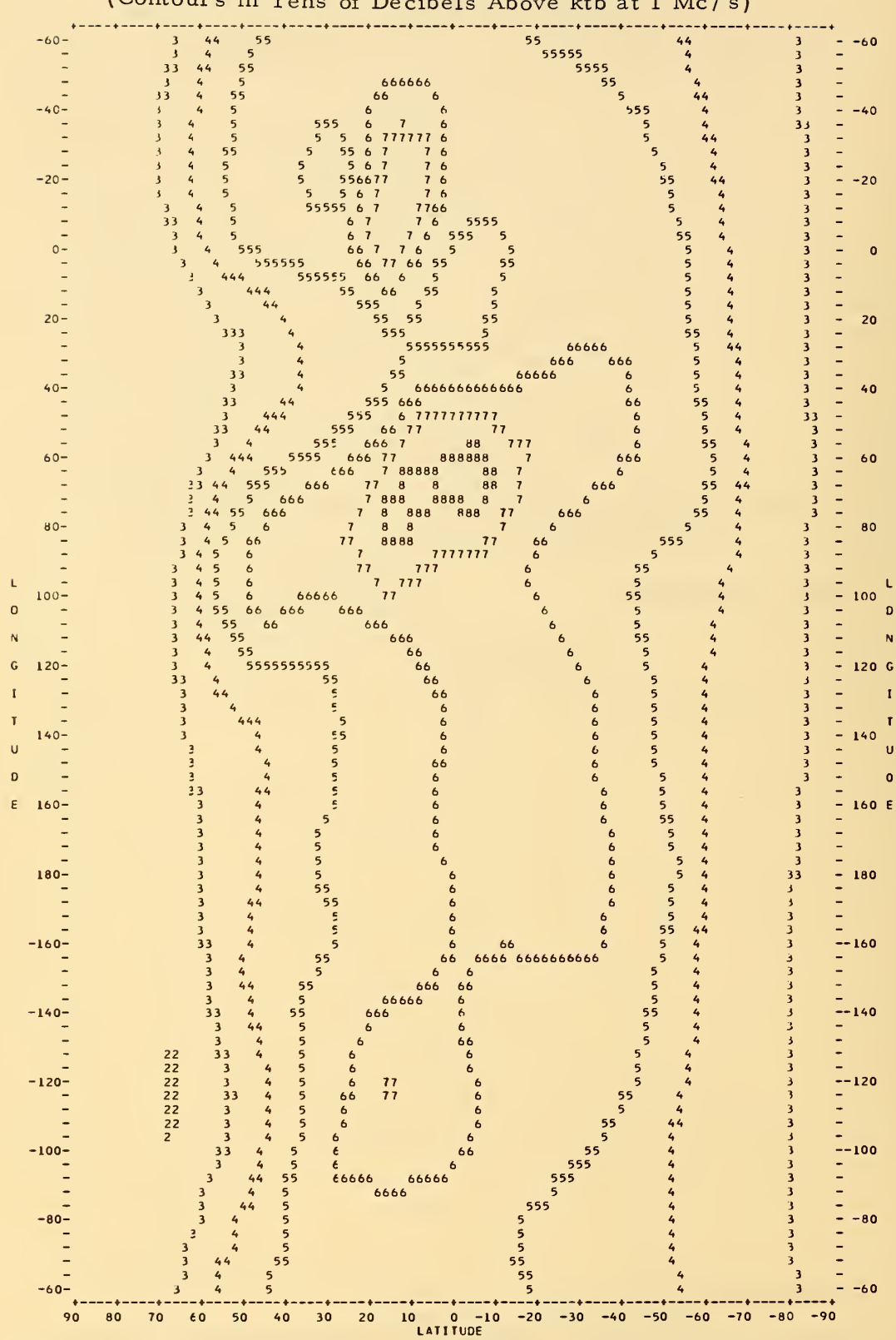


Figure 29. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise June-July-August (0400-0800 Local Mean Time)

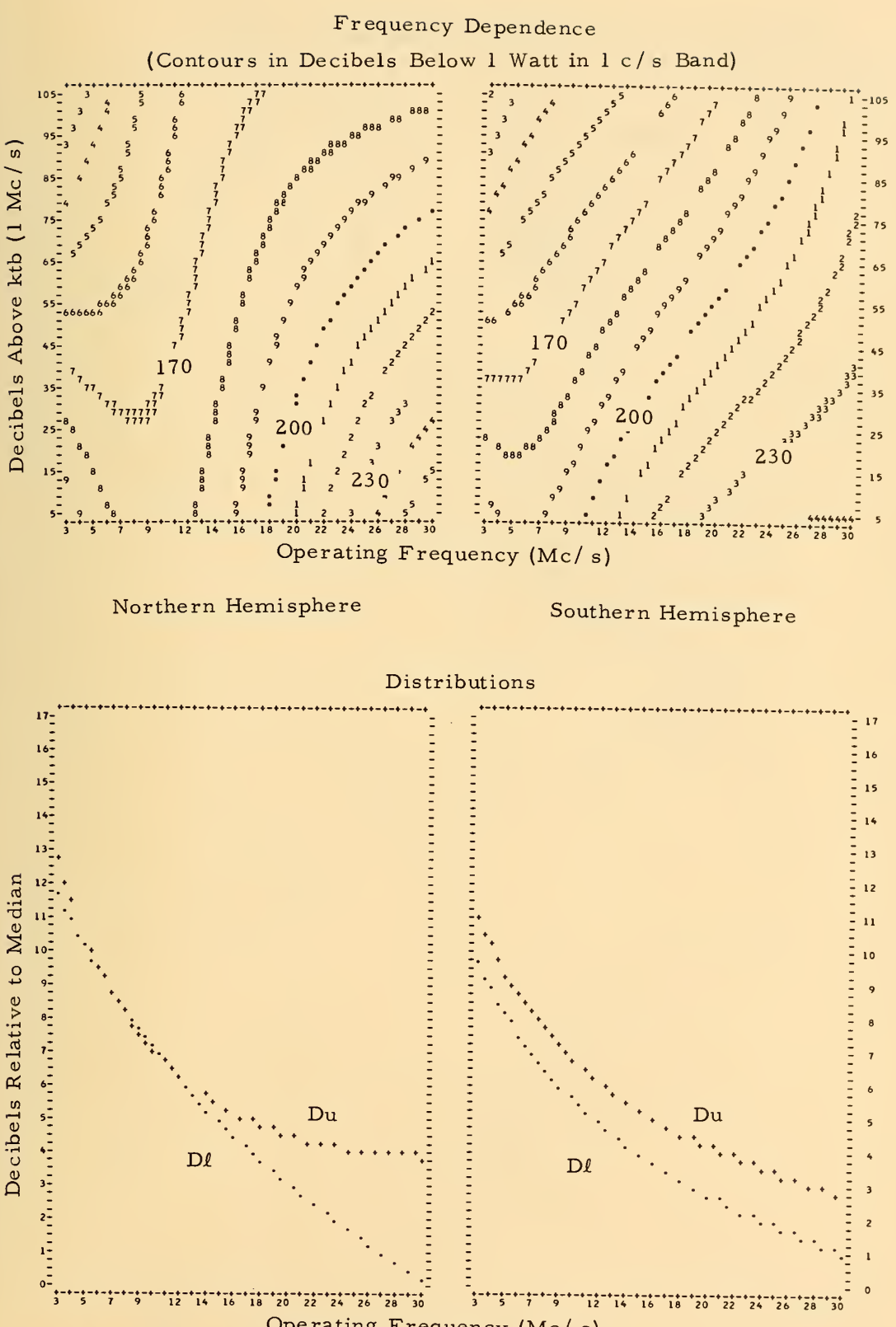


Figure 30. Frequency Dependence of Median and Deciles of Radio Noise June-July-August (0400-0800 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

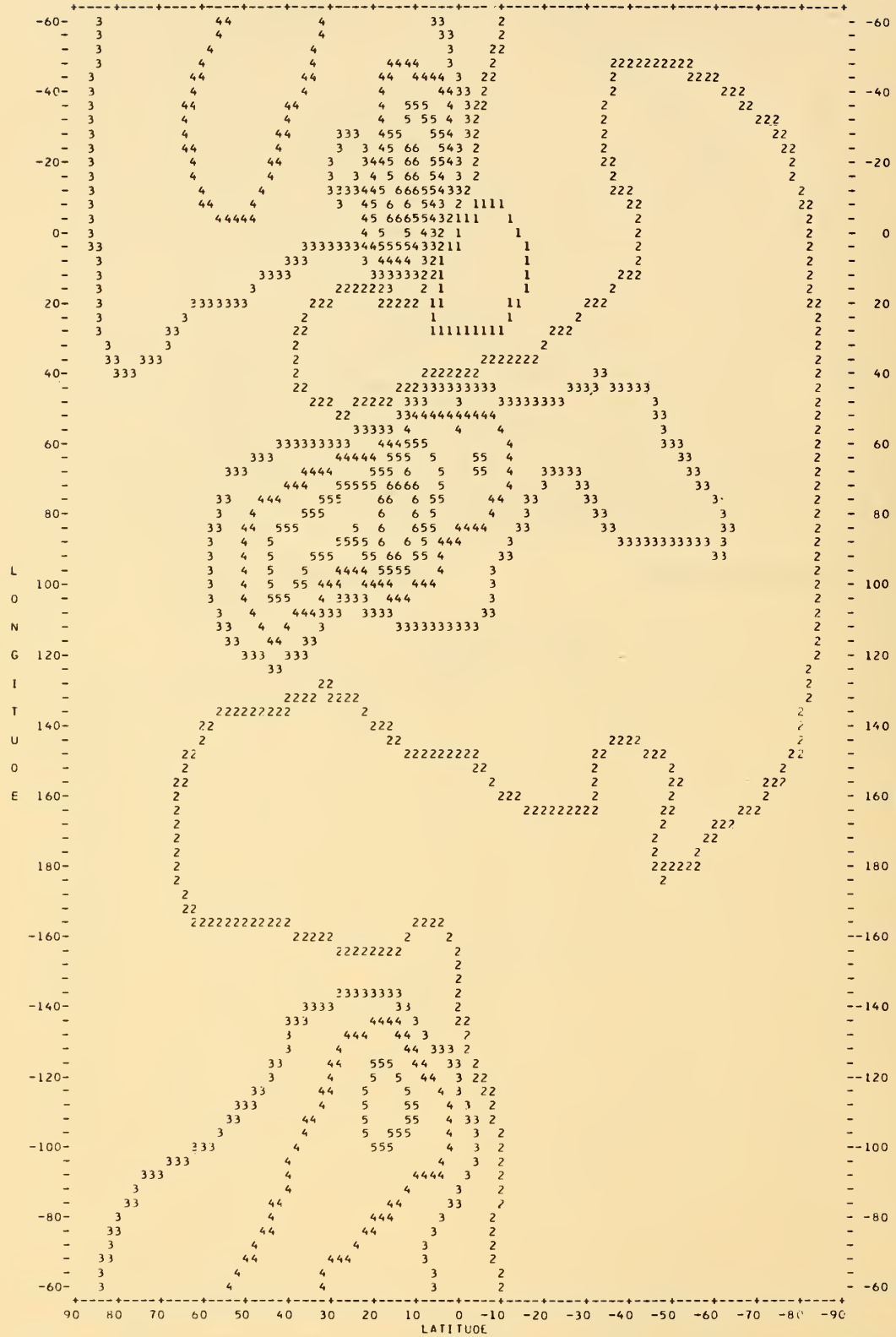


Figure 31. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise June-July-August (0800-1200 Local Mean Time)

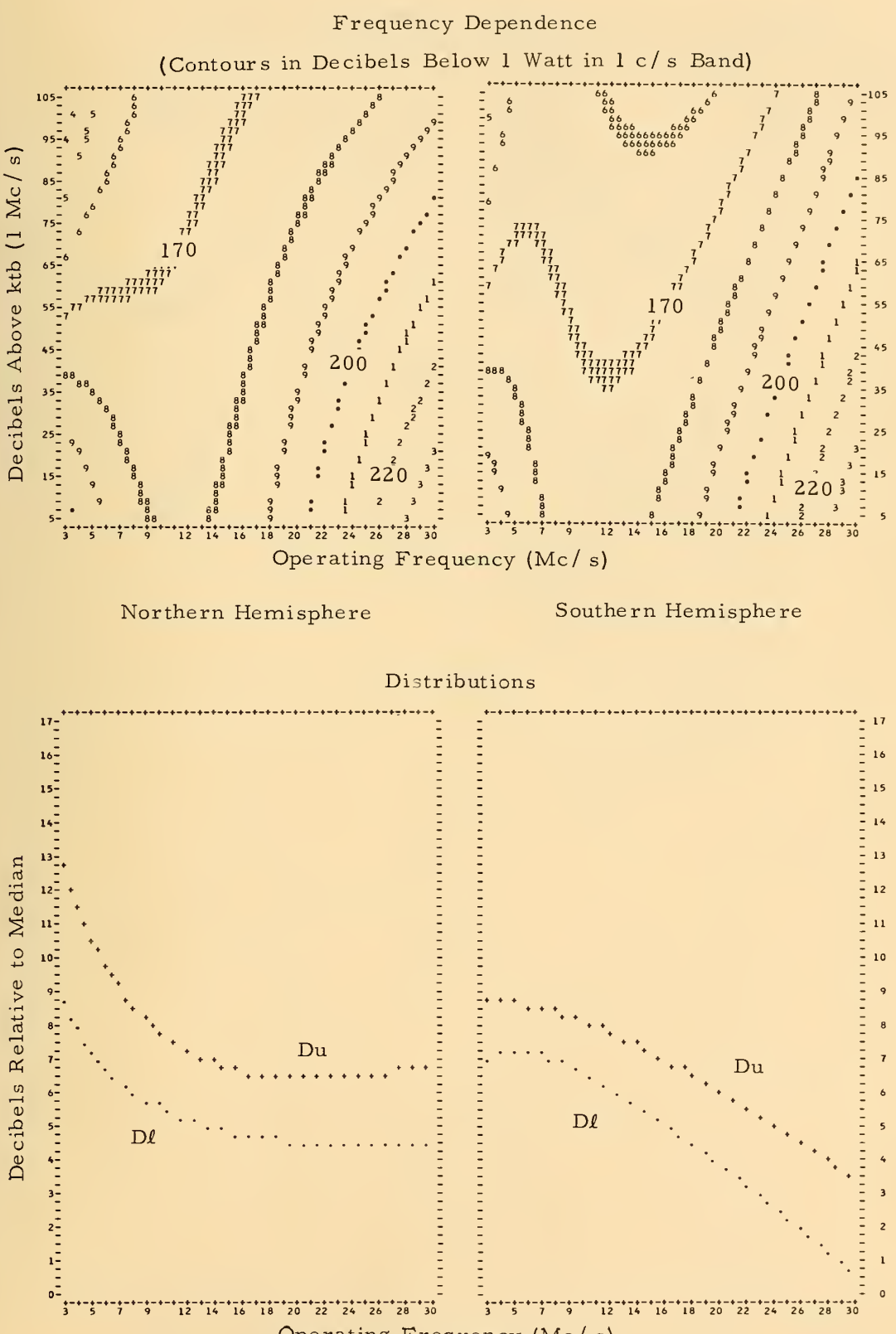


Figure 32. Frequency Dependence of Median and Deciles of Radio Noise June-July-August (0800-1200 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

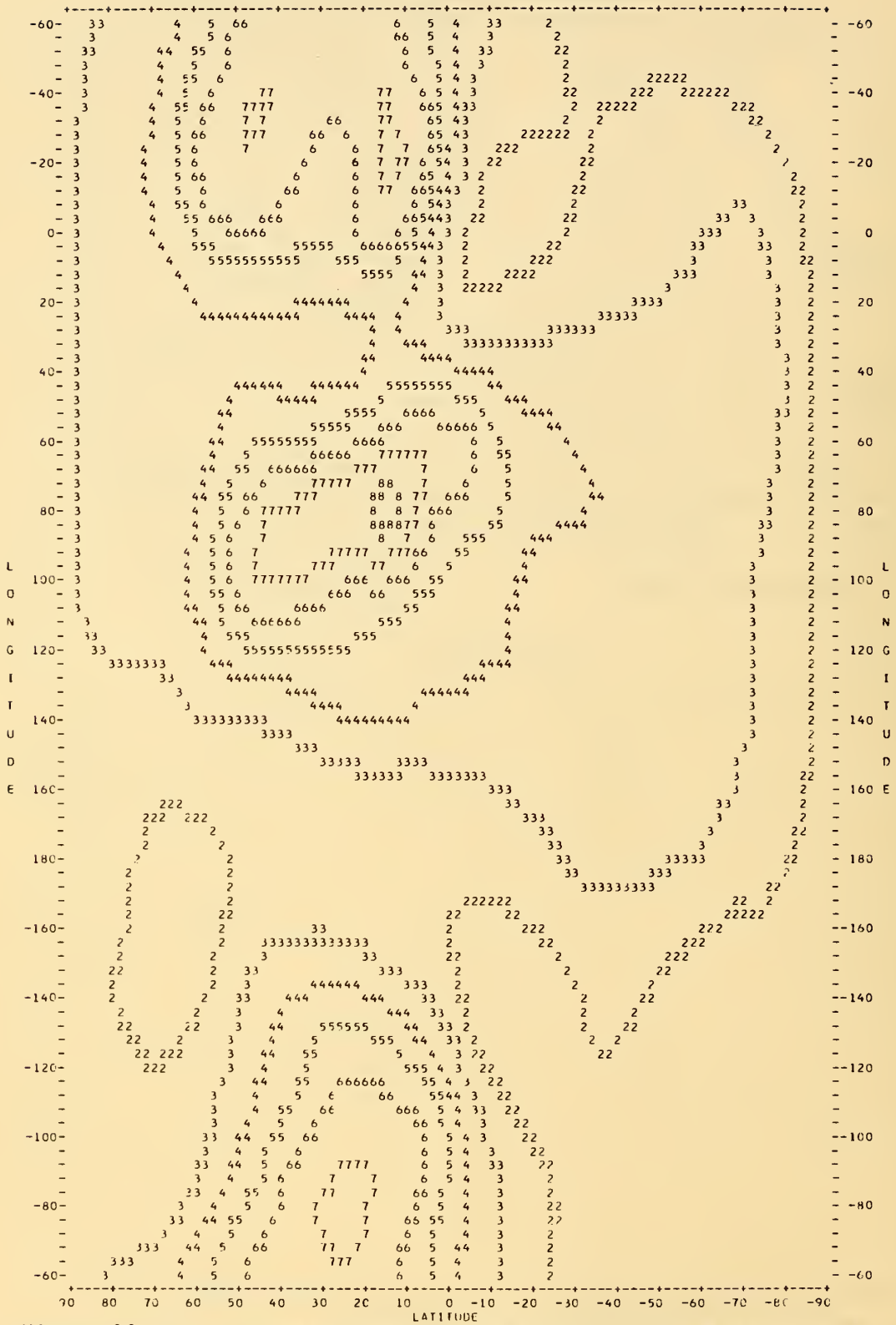
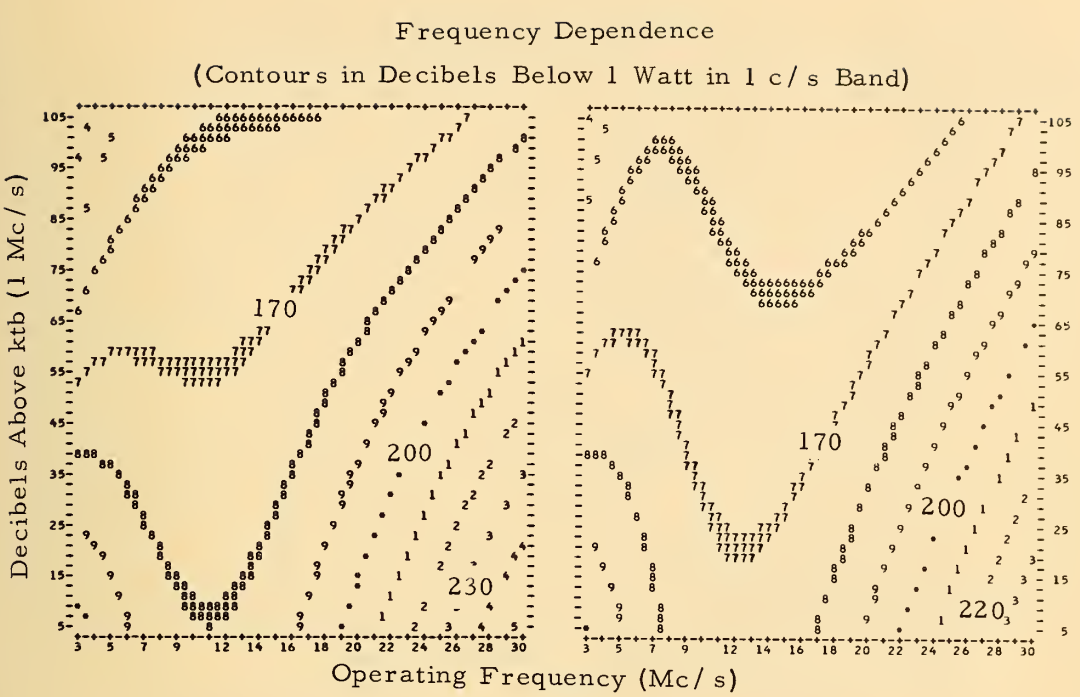


Figure 33. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise June-July-August (1200-1600 Local Mean Time)



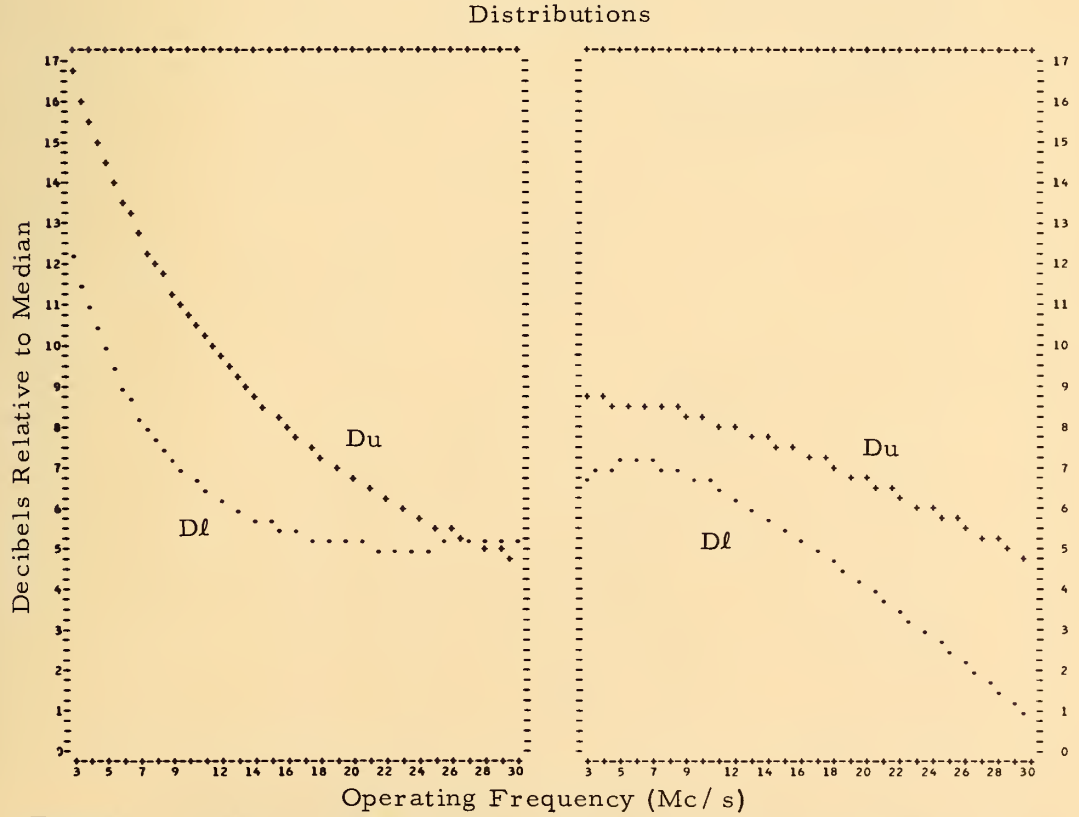


Figure 34. Frequency Dependence of Median and Deciles of Radio Noise June-July-August (1200-1600 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

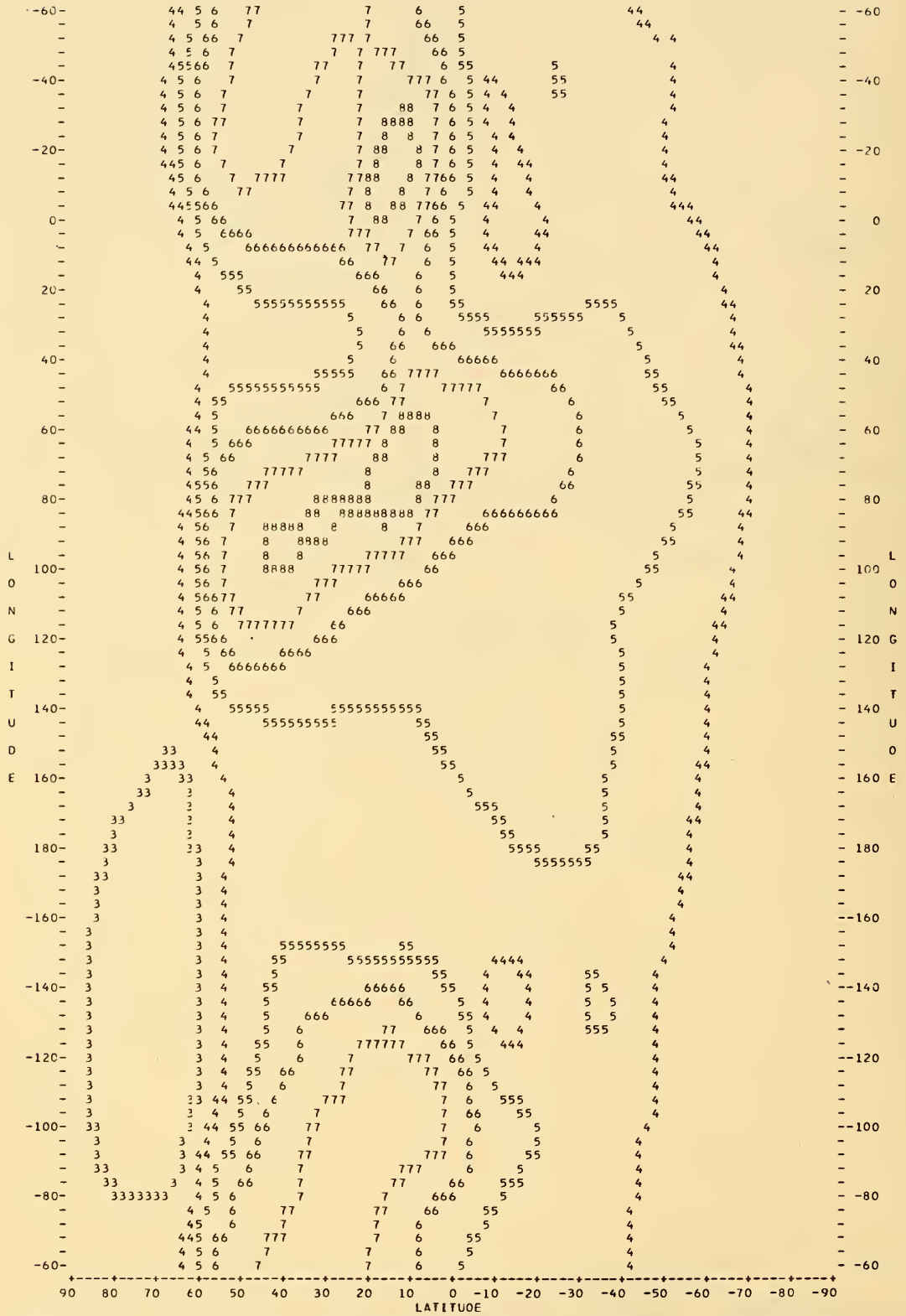


Figure 35. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise June-July-August (1600-2000 Local Mean Time)

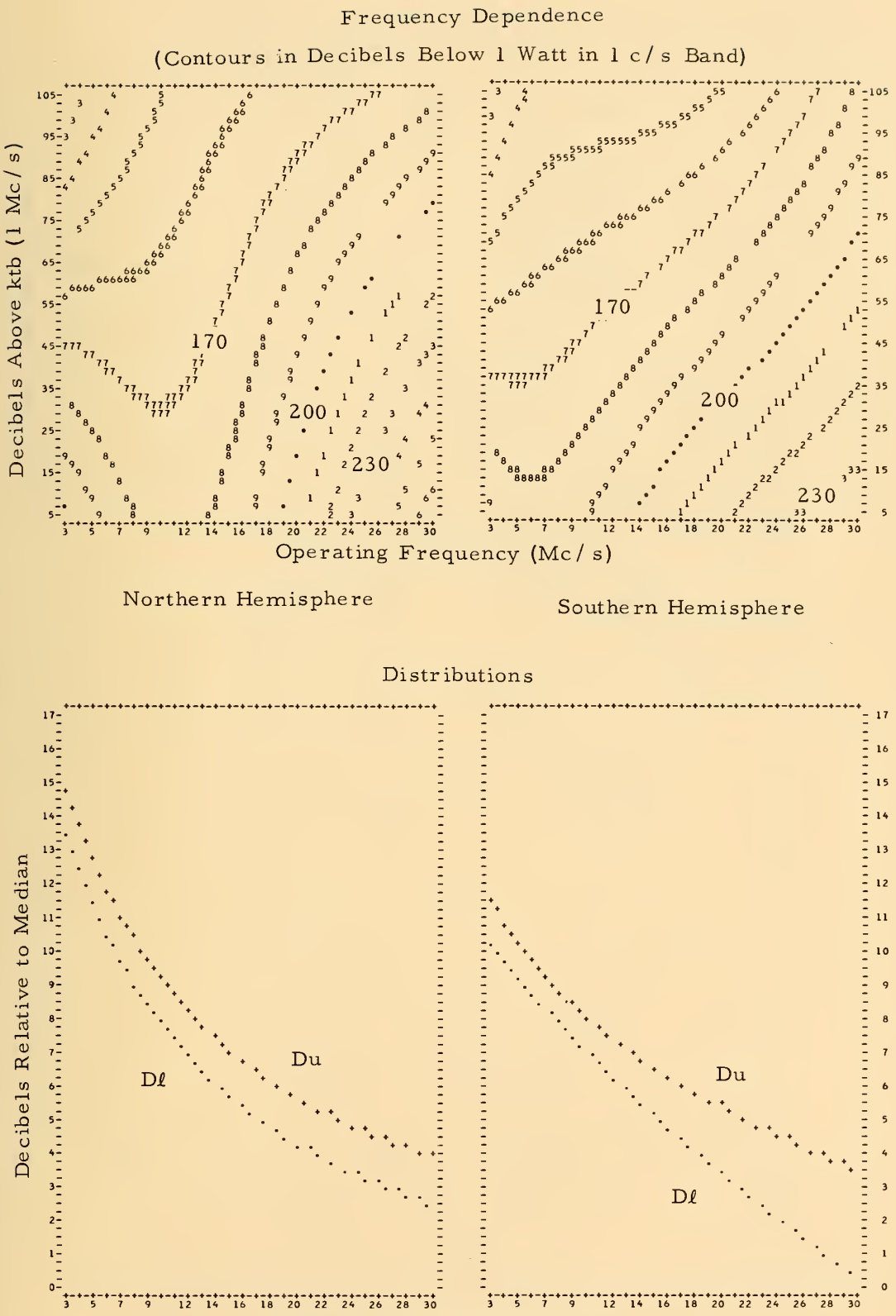


Figure 36. Frequency Dependence of Median and Deciles of Radio Noise June-July-August (1600-2000 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

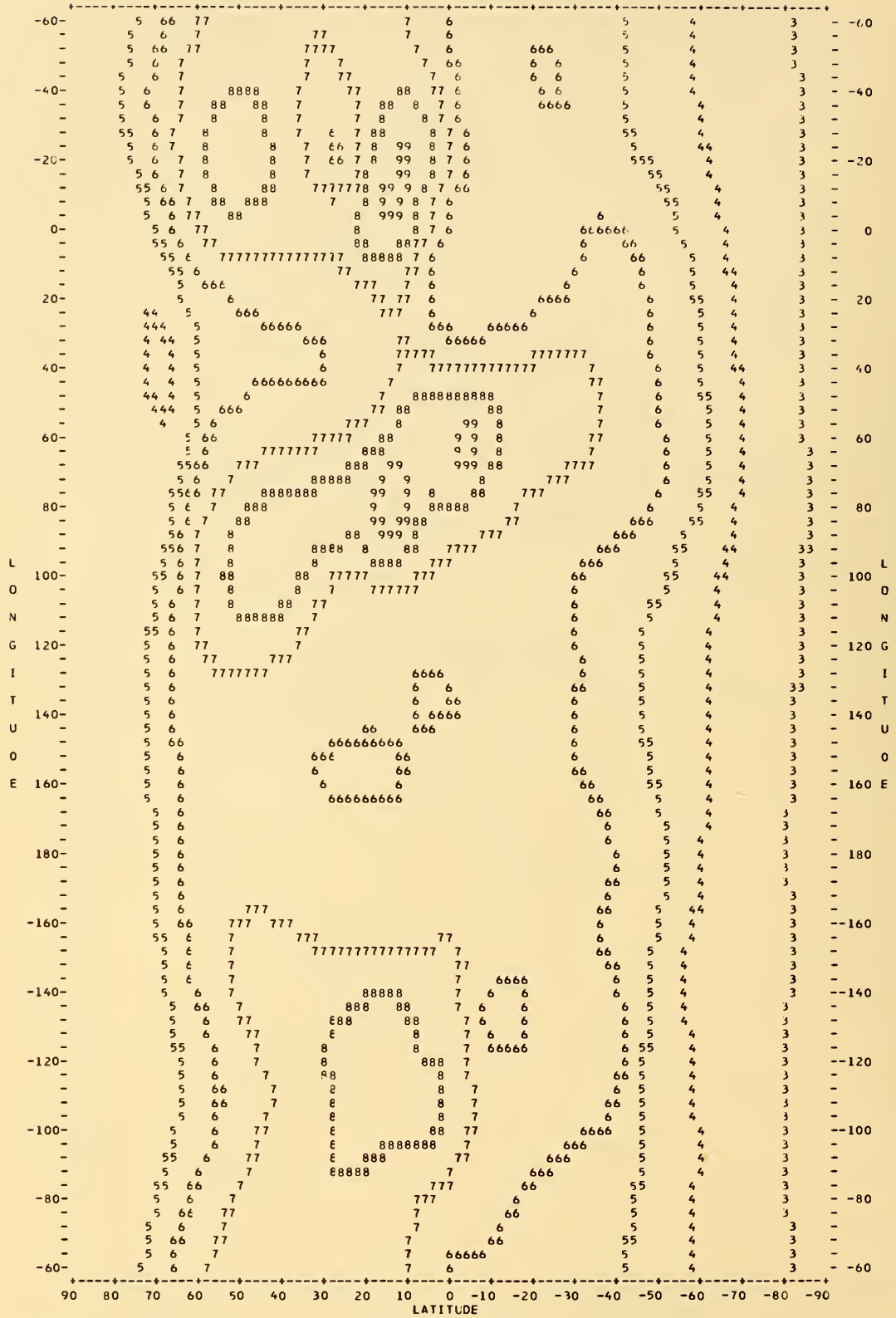


Figure 37. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise June-July-August (2000-2400 Local Mean Time)

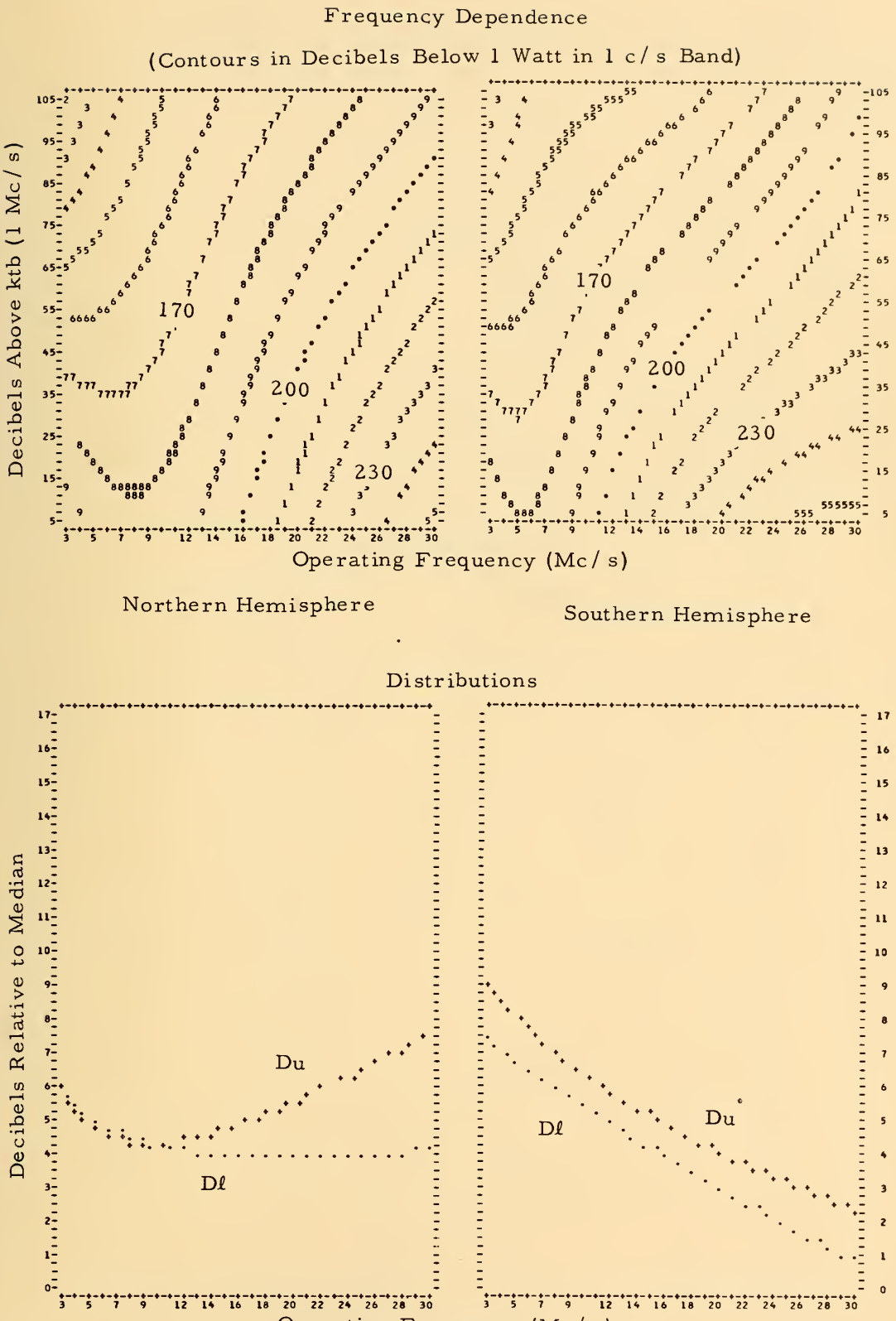


Figure 38. Frequency Dependence of Median and Deciles of Radio Noise June-July-August (2000-2400 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

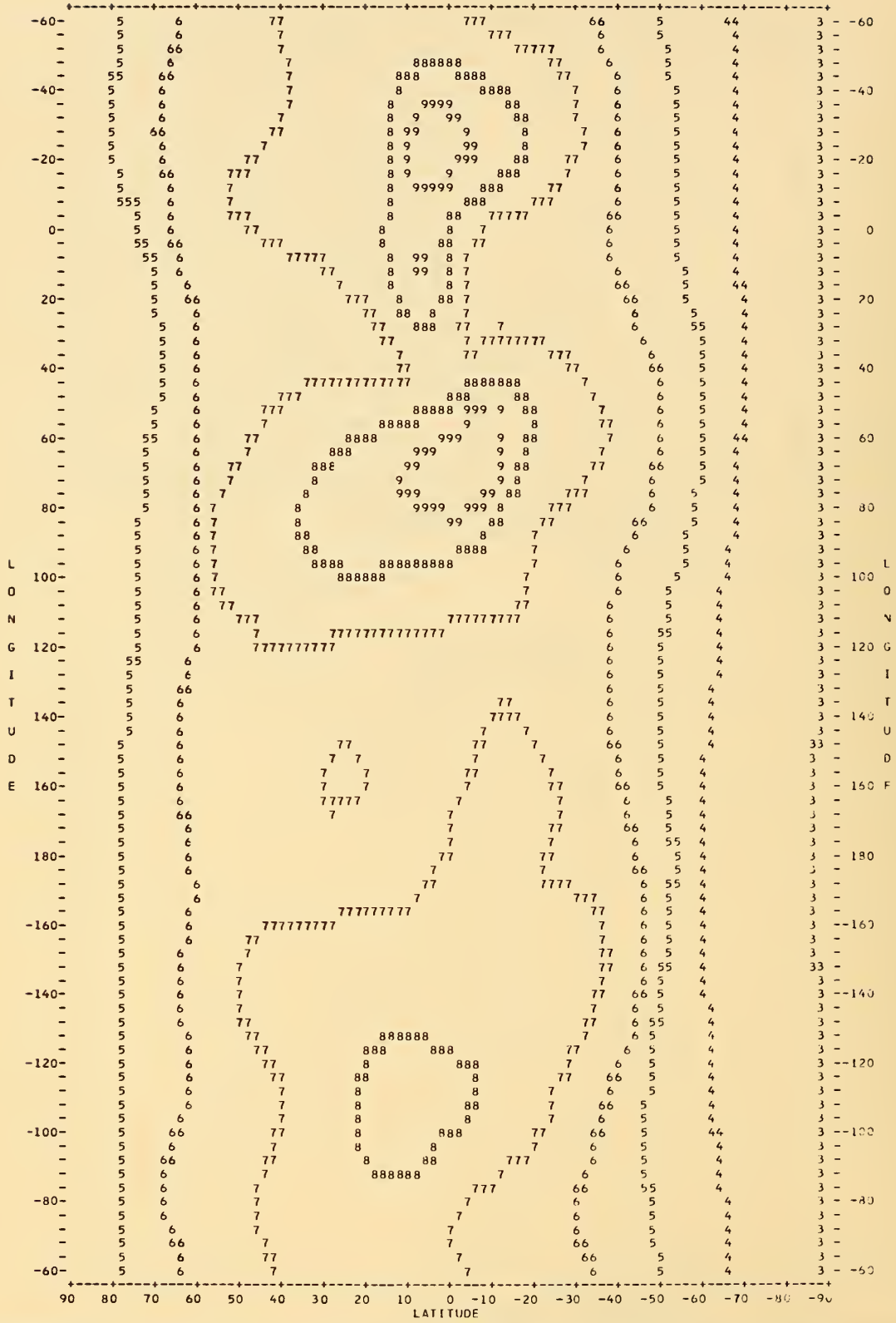
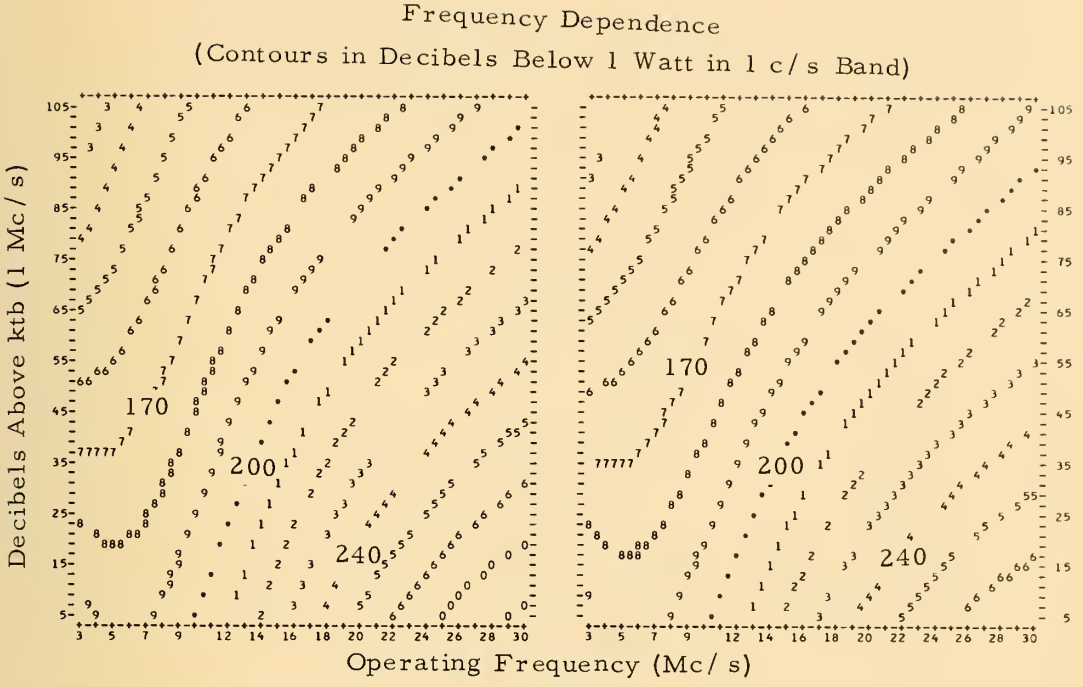


Figure 39. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise September-October-November (0000-0400 Local Mean Time)



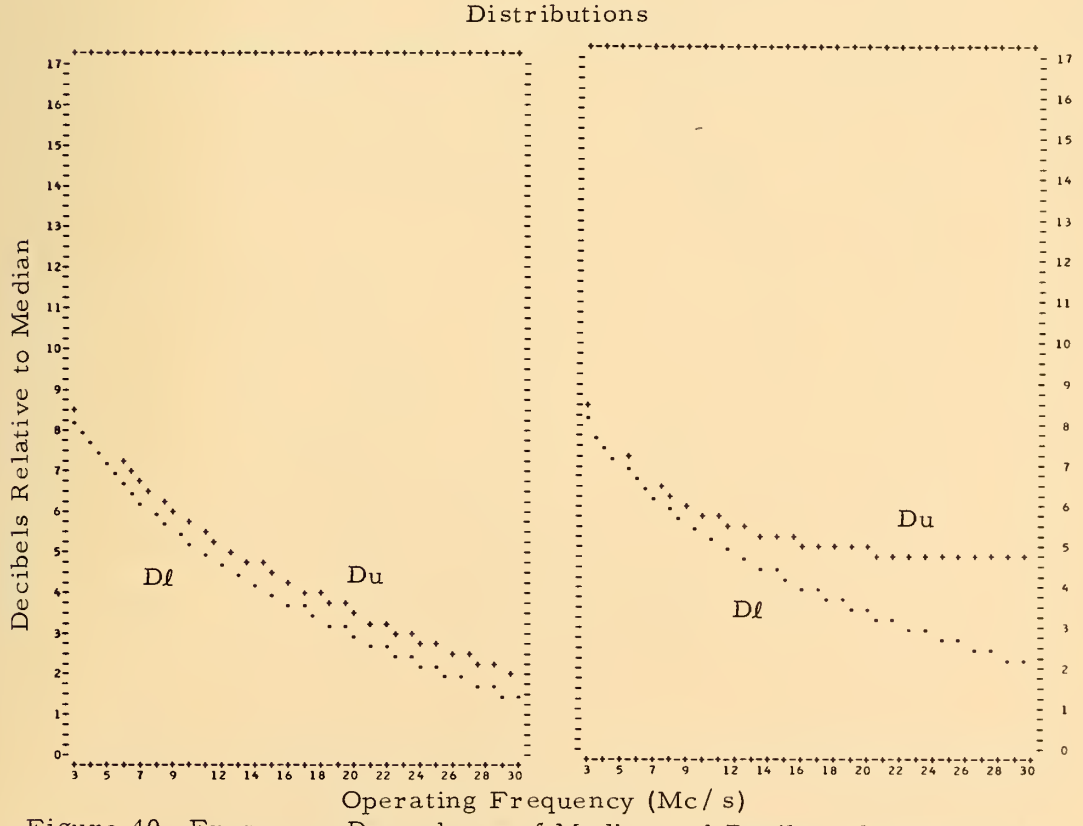


Figure 40. Frequency Dependence of Median and Deciles of Radio Noise September-October-November (0000-0400 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

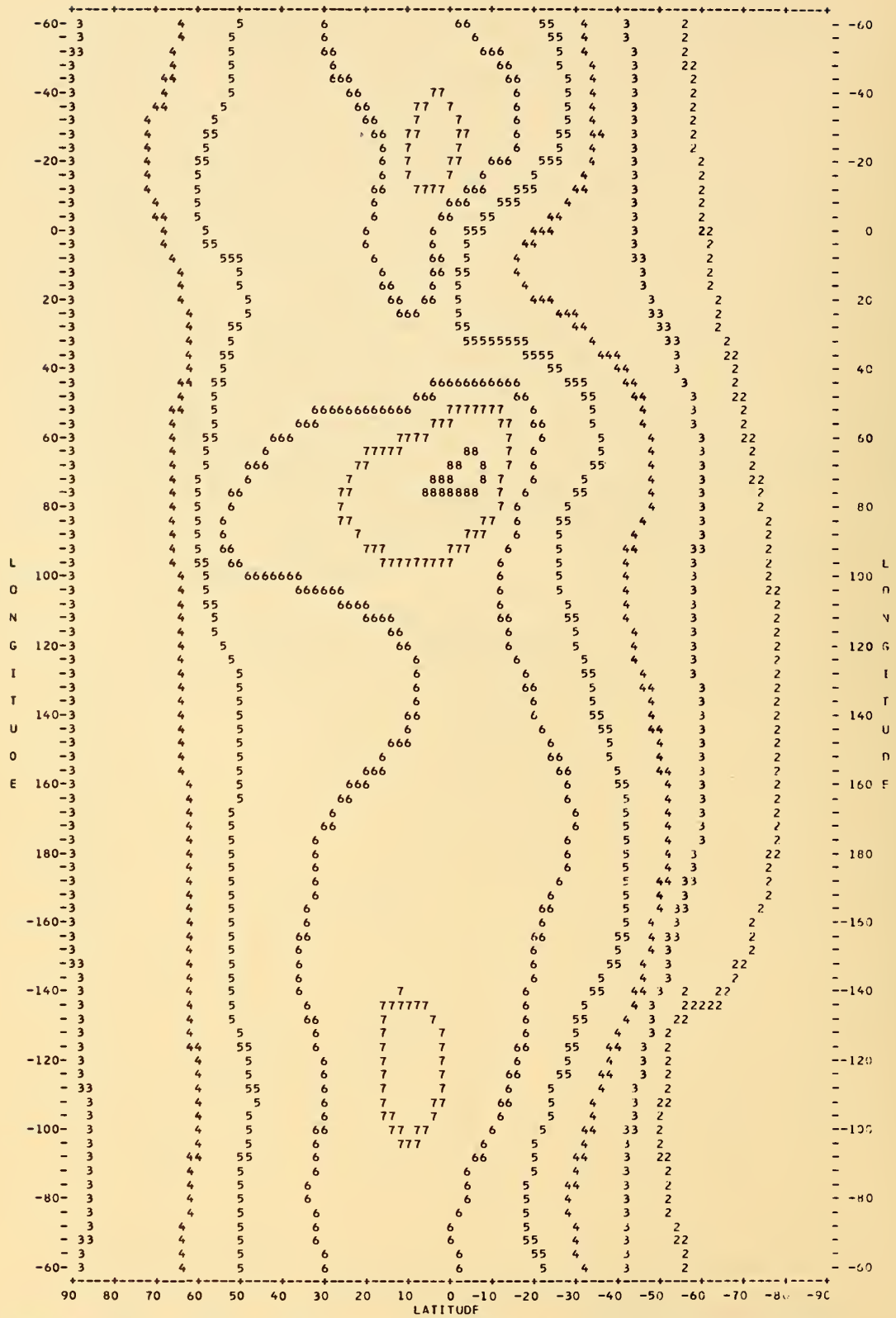


Figure 41. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise September-October-November (0400-0800 Local Mean Time)

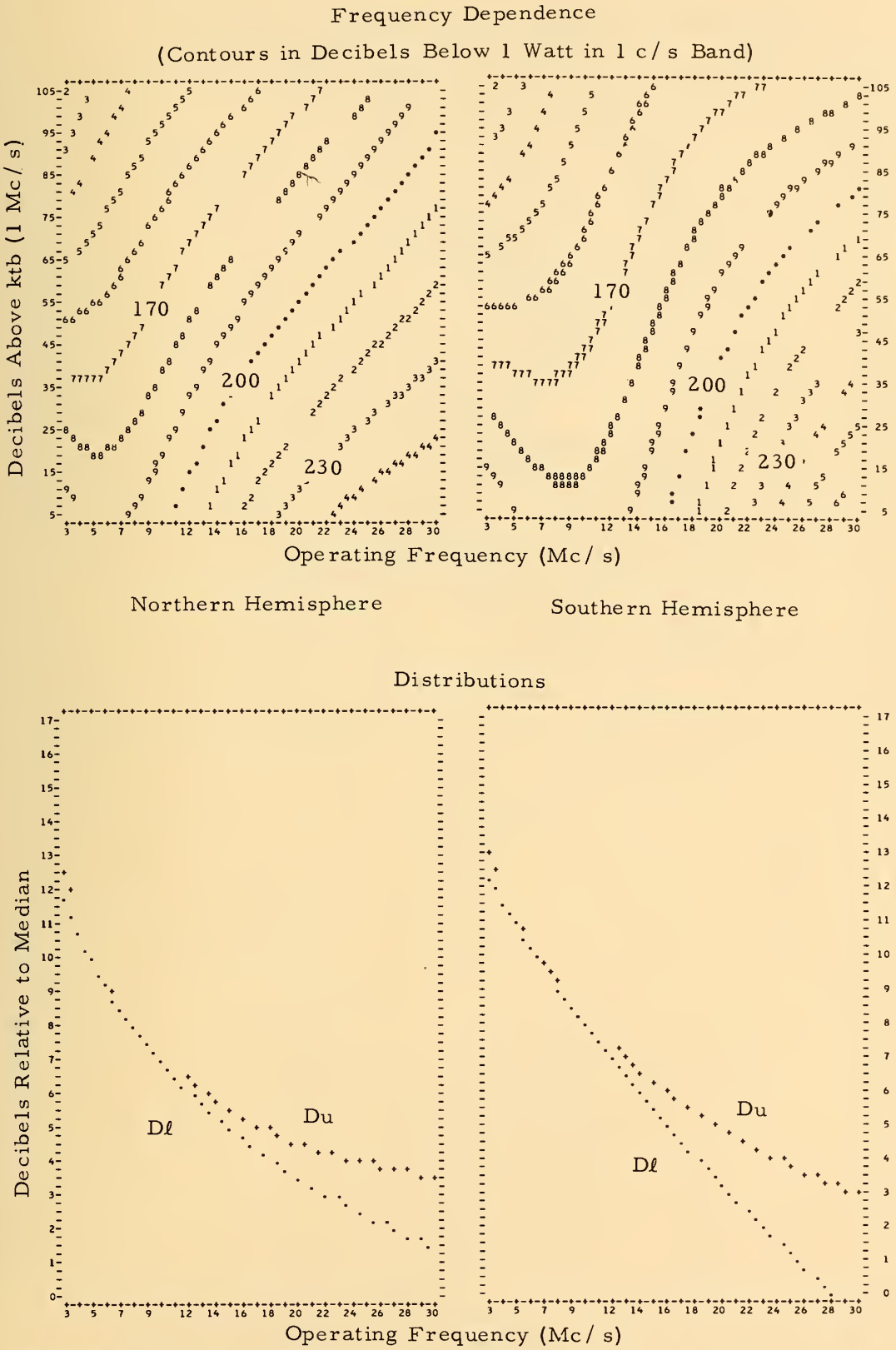


Figure 42. Frequency Dependence of Median and Deciles of Radio Noise September-October-November (0400-0800 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

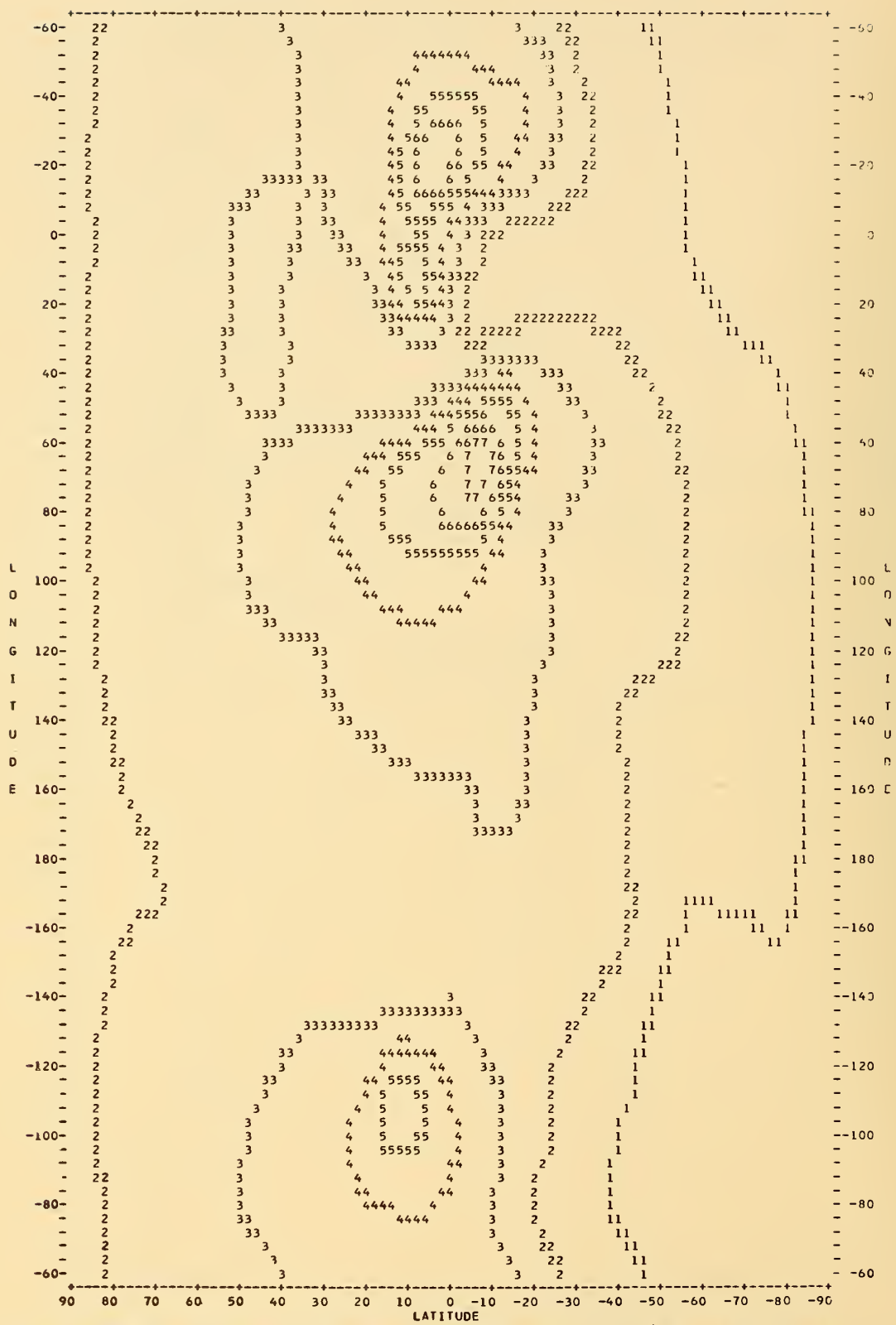
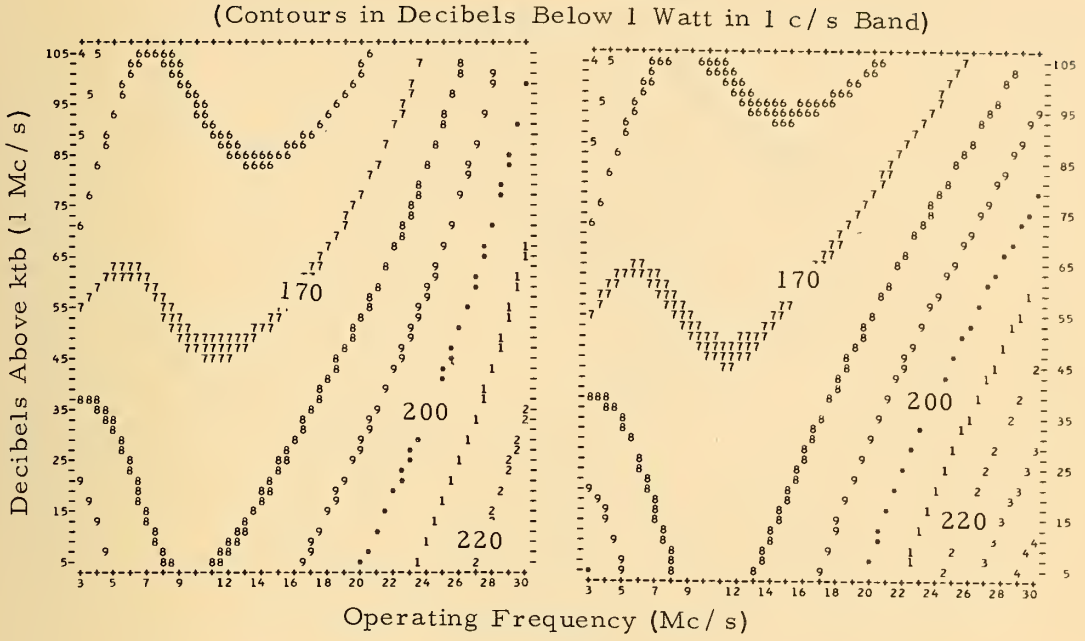


Figure 43. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise September-October-November (0800-1200 Local Mean Time)



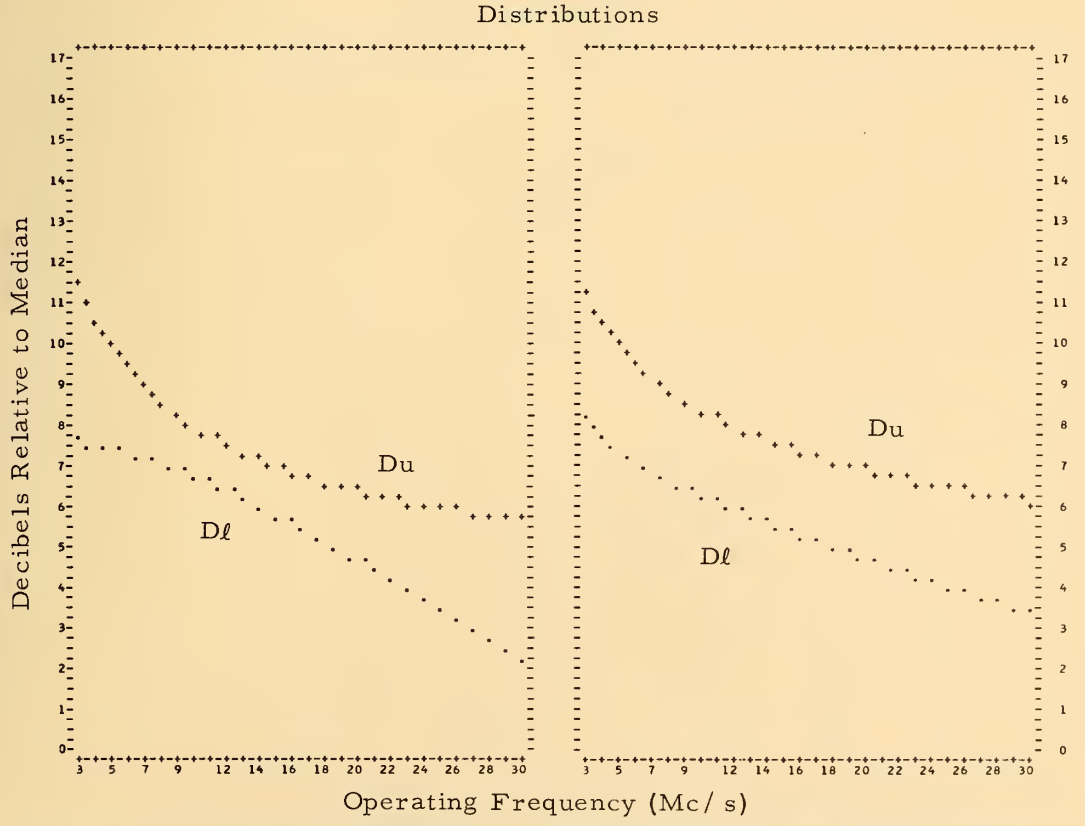


Figure 44. Frequency Dependence of Median and Deciles of Radio Noise
September-October-November (0800-1200 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

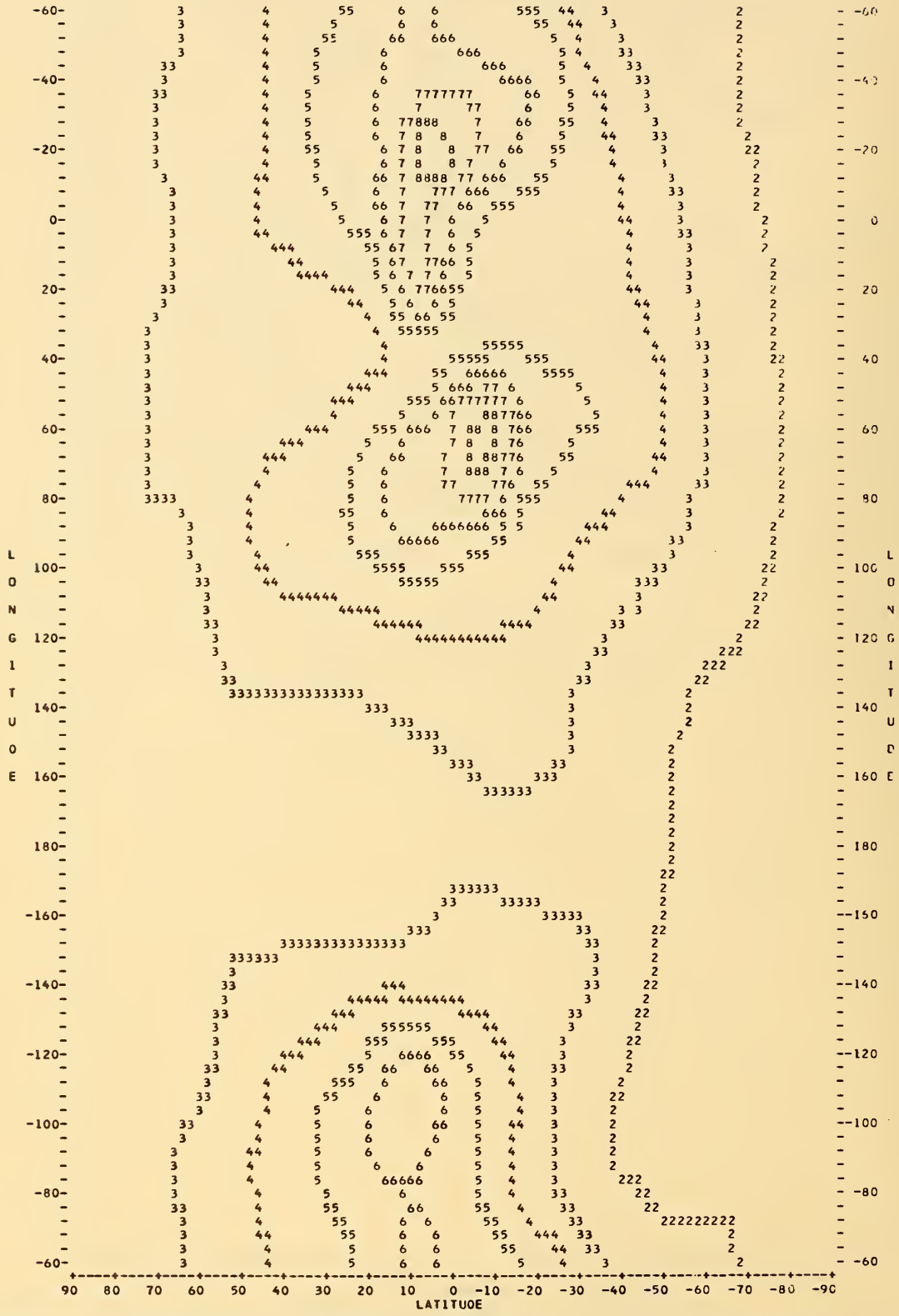


Figure 45. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise
September-October-November (1200-1600 Local Mean Time)

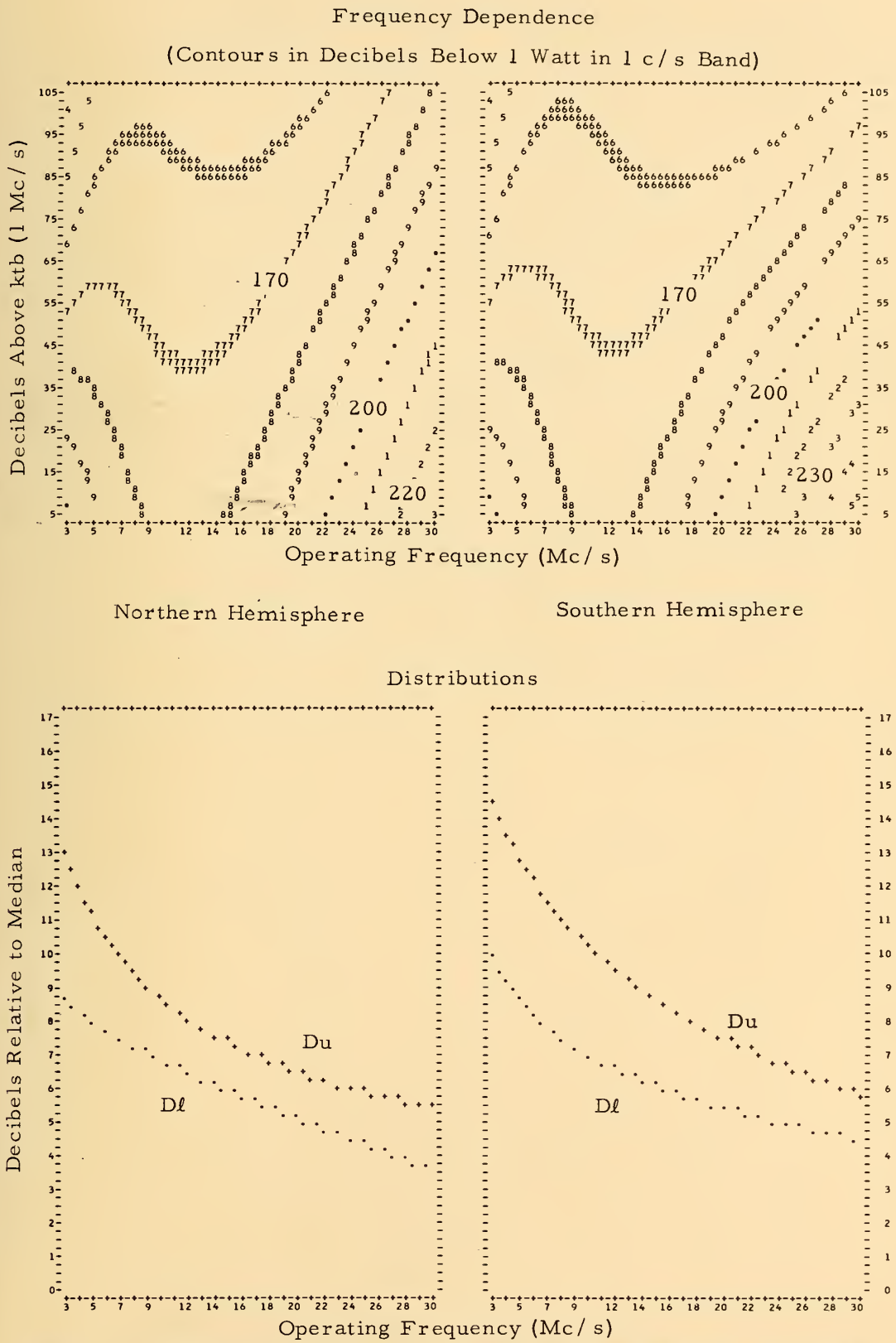


Figure 46. Frequency Dependence of Median and Deciles of Radio Noise September-October-November (1200-1600 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

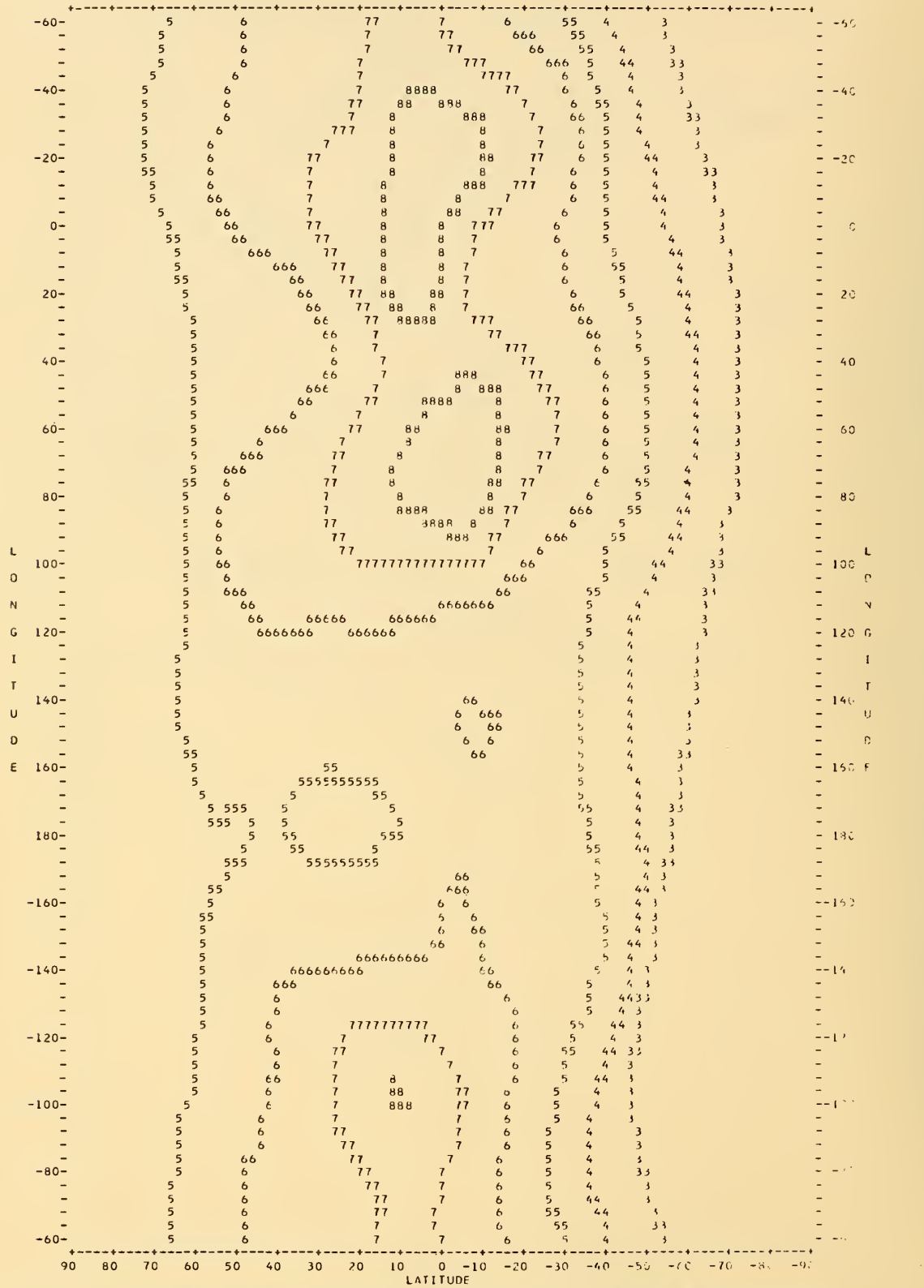


Figure 47. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise September-October-November (1600-2000 Local Mean Time)

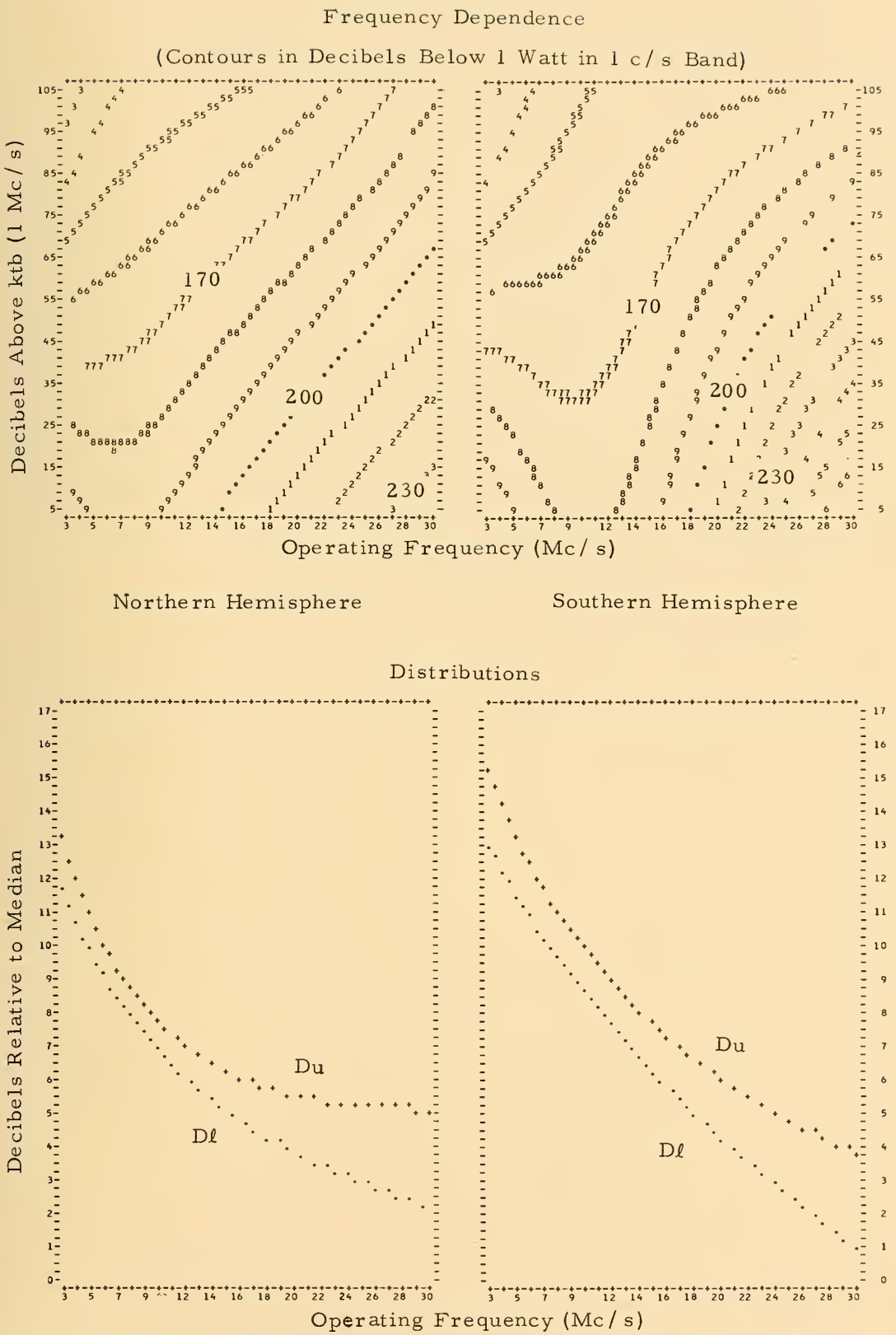


Figure 48. Frequency Dependence of Median and Deciles of Radio Noise September-October-November (1600-2000 Local Mean Time)

(Contours in Tens of Decibels Above ktb at 1 Mc/s)

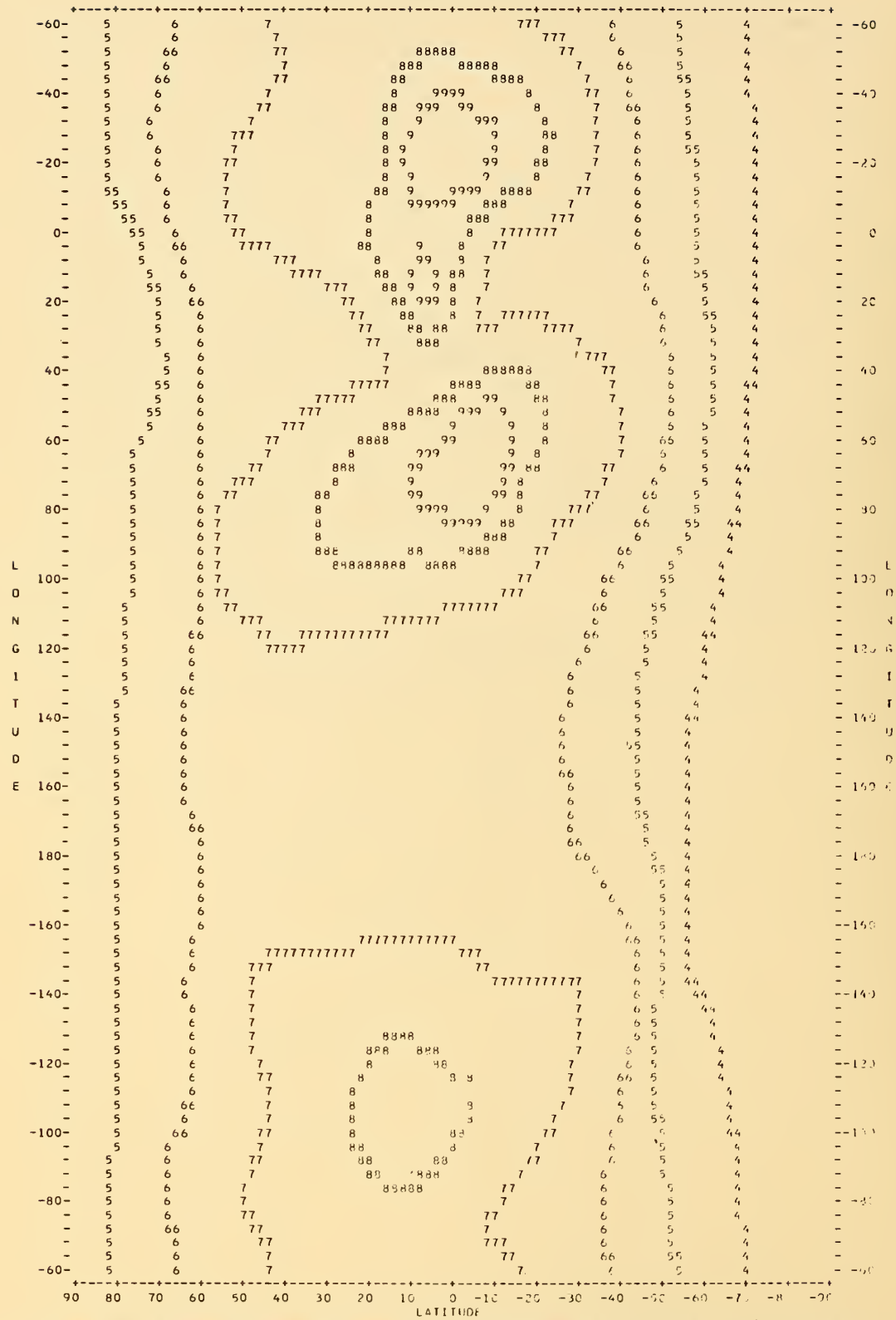


Figure 49. Fitted Value of Median Amplitude of 1 Mc/s Radio Noise September-October-November (2000-2400 Local Mean Time)

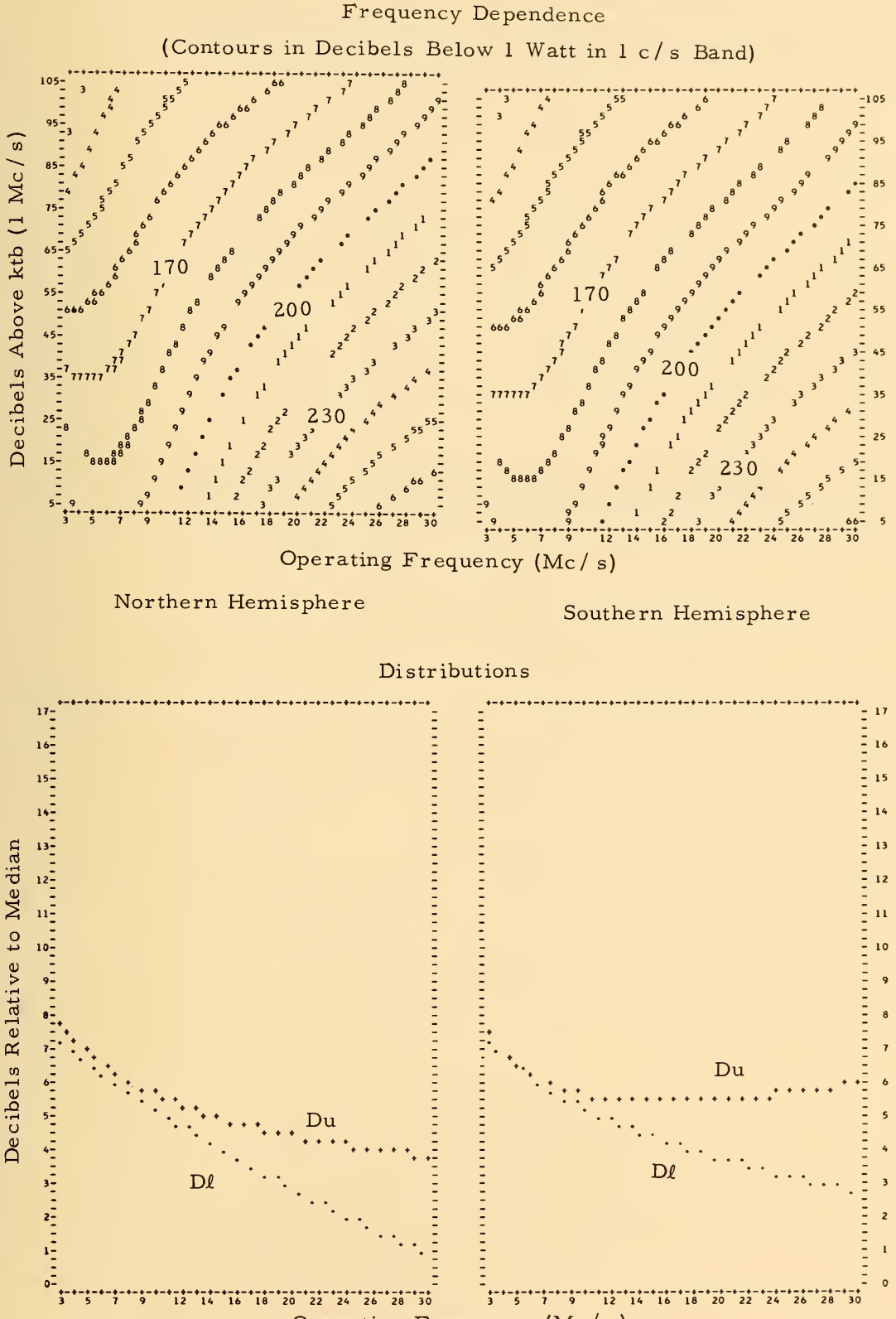


Figure 50. Frequency Dependence of Median and Deciles of Radio Noise September-October-November (2000-2400 Local Mean Time)

9. FOURIER AND POWER SERIES COEFFICIENTS

ARRANGEMENT OF FOURIER COEFFICIENTS FOR TABLES 2 THROUGH 25

(See Appendix I)

	ALPHA ABP (1,k)	BETA ABP (2,k)			
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
P(1,16,k)	P(1,1,k)	P(1,2,k)	P(1,3,k)	P(1,4,k)	P(1,5,k)
	P(1,6,k)	P(1,7,k)	P(1,8,k)	P(1,9,k)	P(1,10,k)
	P(1,11,k)	P(1,12,k)	P(1,13,k)	P(1,14,k)	P(1,15,k)
P(2,16,k)	P(2,1,k)	P(2,2,k)	P(2,3,k)	P(2,4,k)	P(2,5,k)
	P(2,6,k)	P(2,7,k)	P(2,8,k)	P(2,9,k)	P(2,10,k)
	P(2,11,k)	P(2,12,k)	P(2,13,k)	P(2,14,k)	P(2,15,k)
.	.	.	.	.	.
.	.	.	.	.	.
.	.	.	.	.	.
P(29,16,k)	P(29,1,k)	P(29,2,k)	P(29,3,k)	P(29,4,k)	P(29,5,k)
	P(29,6,k)	P(29,7,k)	P(29,8,k)	P(29,9,k)	P(29,10,k)
	P(29,11,k)	P(29,12,k)	P(29,13,k)	P(29,14,k)	P(29,15,k)

NOTE: $1 \leq k \leq 6$ (for given hour block within the day). The matrix ABP contains the α and β coefficients which are explained on page 3. The matrix P contains the Fourier coefficients representing the 1 Mc/s atmospheric noise. The structure of the matrix seen in tables 2 through 25 is as indicated above.

Table 1

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, December-January-February (0000-0400 Local Mean Time)

	ALPHA	BETA			
	2.2699999E 01	6.7163385E 00			
CH1	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
3.4641479E 01	4.1838363E 00	3.2114376E 00	8.9953179E-01	-1.6974557E-01	1.6158222E 00
	3.3186607E 00	2.7083092E-01	2.2331367E 00	-1.1209315E 00	4.8256665E-01
	2.0589997E-02	8.5821838E-02	-1.9583172E-01	-2.6686098E-01	6.4544409E-03
-7.5189851E 00	1.1590601E 01	6.2095144E-01	1.5535090E 00	-1.4273447E-01	2.4402036E 00
	1.1623971E 00	9.1016945E-01	1.0748580E 00	-1.9987696E-01	5.0635177E-01
	-8.5019631E-01	-1.8743569E-01	4.0717903E-02	-2.1692961E-01	7.7613309E-02
-8.6982949E 00	2.4657872E 00	-1.2486752E 00	-3.0897281E-01	8.0361975E-01	3.5433365E-01
	-4.6193469E-01	-7.6248726F-01	-1.1270536E 00	-6.9617344E-02	-4.6668957E-01
	8.5319638E-02	1.4724271E-01	2.3000628E-01	2.6034773E-01	-2.0105496E-01
-1.5436085E 00	-4.4117047E 00	-2.4024609E 00	-1.3466542E 00	-1.1570974E 00	-1.4608705E 00
	-1.4250866E 00	-1.6104781E 00	-1.4002871E 00	5.6879533E-02	-7.0556926E-01
	2.7420908E-01	-2.0364012E-01	-1.0327001E-01	-6.2937494E-02	6.7669654E-02
1.3706101E 00	-4.8005803E 00	2.2654845F-01	-4.7745761E-01	6.6932891E-01	-1.0071011E 00
	3.2000929E-02	-3.1236828E-02	7.1575443E-01	6.5738083E-02	5.5866561E-01
	6.0296925E-02	3.1414077E-02	1.1369560E-01	3.5426513E-02	2.1205742E-01
6.1284662E-01	1.9742292E-01	1.2945121E 00	2.7450939E-01	6.0511023E-01	4.3691183E-01
	5.6840682E-01	9.5418876E-01	8.3673636E-01	3.2128377E-01	1.7297205E-01
	3.1594925E-01	3.1201237E-01	-7.5862439E-02	-8.8055369E-02	-1.4125150E-01
-3.4068217E 00	4.2503302E 00	7.4010170E-01	1.5048757E 00	6.7479340E-01	9.6068445E-01
	-3.2817095E-01	1.0287417F 00	-1.1016623E-01	1.4891621E-01	-3.4761769E-01
	-3.2123270E-01	8.1785465E-04	-4.0278657E-01	8.6962527E-03	-1.4618824E-01
1.1255579E 00	-1.7440683E 00	5.9519903F-01	-8.8492602E-01	-2.2925416E-01	-1.0281412E 00
	-8.9691107E-01	-8.9222268E-02	-5.8161654E-01	-1.3910757E-01	-3.6209463E-02
	-2.3172602E-01	-2.5896530E-01	8.0749542E-02	2.3171104E-01	1.2793520E-01
2.6409014E 00	-2.7063663E 00	-3.0069564E-01	-7.7782393E-01	-8.6896805E-01	-1.0232958E 00
	3.0471668E-01	-7.3099355E-01	-9.4450529E-02	8.6539656E-02	2.2454228E-01
	4.0407534E-01	8.4599663E-02	2.8447475E-01	4.7984040E-03	5.1451579E-02
1.1584860E-03	9.6304939E-01	6.4538500F-01	3.8107366E-01	-5.5120395E-02	5.0567412E-01
	6.4151160E-01	-3.0330572E-02	3.1470300E-01	-1.8471400E-01	-1.2524988E-01
	-9.3014406E-02	-2.3877290E-02	-2.3222978E-02	-1.7396925E-01	-1.0074406E-01
-2.1746216E 00	3.2683047E 00	-2.8430077E-01	4.2815639E-01	-2.3733925E-01	9.5019515E-01
	8.1716286E-02	4.1815574E-01	-1.8116413E-01	-8.8720208E-03	-2.2963195E-01
	-8.5179273E-02	5.9392298E-02	-6.0480731E-02	3.0063088E-02	4.8716214E-02
1.5946736E 00	-2.1562011E 00	-4.3746873E-01	-2.0611041E-01	2.0493224E-01	4.1234136E-02
	1.6107755E-01	-1.8079664E-01	-3.1419422E-02	-1.0448193E-01	1.1934572E-01
	1.2976262E-01	7.3347365E-02	-1.3326478E-01	2.0672675E-03	-4.5910547E-02
1.1699423E 00	-1.5792550E 00	-2.5449755F-01	-3.9909337E-01	8.8875179E-03	-3.0585724E-01
	-2.2256739E-01	-2.4563146E-01	1.2344014E-01	-9.1622903E-02	2.5872564E-01
	-4.5232101E-02	-1.3863005E-01	7.2964433E-02	-2.3784612E-02	2.5091340E-02
-9.3058598E-01	9.3483422E-01	-4.4868054E-01	3.2631055E-01	3.2173563E-02	1.1614085E-01
	1.0959006E-01	-4.2361338E-02	-2.7248545E-02	1.4352324E-01	4.2833887E-02
	-1.9052193E-03	-9.7036332E-03	1.6940341E-01	5.3340090E-02	9.2850770E-02
-7.8763641E-01	1.0738458E 00	8.7518213F-02	2.3873042E-01	7.0959565E-02	1.4078416E-01
	-8.1726638E-02	1.4818878E-01	1.2792732E-04	5.9923285E-02	-1.4252998E-01
	-1.2760729E-02	-8.2424253E-02	-1.0705708E-01	-8.5950598E-02	-1.1751129E-01
2.1600585E-02	-3.4387323E-02	2.3960788E-02	-1.5753577E-01	-2.3969109E-02	-4.7808595E-02
	-2.8907470E-01	5.7093941E-02	-1.5396938E-02	-2.1983922E-02	-3.8343917E-02
	-8.8688895E-02	1.2479780E-01	-2.7908701E-02	3.7739315E-02	9.2389973E-02
9.7669928E-01	-1.3459050E 00	-2.8223188E-02	-2.7278056E-01	6.0496410E-02	-3.9363531E-01
	-2.1260647E-01	-1.6107881E-01	1.1953866E-01	-2.3542236E-02	3.5194042E-02
	-3.6814155E-02	3.8382035E-02	-6.9230825E-02	5.3093469E-02	4.6383966E-02
-6.5701414F-01	8.1954885E-01	1.6195972E-01	2.7439178E-01	-1.3938923E-02	8.1943864E-02
	1.9195054E-02	1.0059547E-01	4.7303112E-02	1.2326524E-01	2.9068188E-02
	5.6146145E-02	-1.0025152F-01	2.4888263E-02	-1.9454892E-02	-1.1748289E-01
-5.6786439E-01	6.6199526E-01	9.9584180E-02	2.0509375E-01	-2.6008622E-02	1.5919285E-01
	2.2144167E-01	7.2422233E-02	-1.3792194E-01	1.0992916E-02	-8.7341417E-02
	1.8219609E-02	4.4138992E-02	7.5539654E-02	2.9724226E-02	-2.1267013E-02
3.0983446E-01	-2.2143902E-01	2.2173144E-01	-1.5246169E-01	-5.5985320E-02	-8.4307539E-02
	3.9864458E-02	9.2259294E-02	6.9509510E-02	4.4085193E-03	-5.0679226E-02
	6.3213329E-02	6.7632990E-02	2.0457405E-02	-2.2398057E-02	-1.9804921E-02
6.1626999E-01	-7.9372652E-01	4.4471113E-02	-2.4837638E-01	2.3627989E-02	-1.6684577E-02
	8.5042124E-02	-2.6746383E-02	2.1112916E-02	-1.4285335E-01	2.4136366E-02
	-1.2796140E-02	3.9184040E-02	-2.4318395E-02	-5.0749759E-02	3.7884517E-02
-5.2788065E-01	5.4846268E-01	-1.4587087E-01	2.0014451E-01	-1.7658861E-02	2.7867115E-02
	-5.2869652E-02	-5.0788510E-02	-7.8505645E-02	-6.7707503E-02	5.4139685E-02
	7.9882280E-02	1.0060148E-02	-3.9806549E-04	4.3656200E-02	1.6215308E-02
-2.3633683E-01	3.4559479E-01	-1.1544026E-02	1.1531503E-01	1.5346203E-03	1.2147482E-01
	6.9448562E-02	4.5366562E-02	-2.6172943E-02	7.2743568E-02	2.0151238E-03
	-4.0376027E-02	-1.2215829E-01	-3.0504355E-02	-7.6822593E-03	-5.4943502E-03
4.9502340E-01	-6.9573006E-01	-1.9216791E-02	-2.3916505E-01	-3.4897467E-03	-9.6757020E-02
	2.5023660E-02	-1.2097344E-01	-1.1786556E-01	-1.1143765E-01	1.1913951E-02
	-6.5070303E-02	-5.2703294E-02	-2.4122529E-02	-3.7377777E-02	3.6064968E-02
7.1638407E-02	-4.2834280E-02	-1.5550874E-02	-5.2533381E-02	4.6603216E-02	-1.4820323E-02
	1.7613651E-02	8.2576052E-03	8.0537319E-02	9.4820329E-02	6.8962116E-02
	5.3457116E-02	6.0261269E-02	2.1590534E-02	2.5998014E-02	2.1318753E-02
-8.6970037E-02	1.0757427E-01	-1.6310197E-02	8.7720697E-02	8.0987113E-02	6.6522471E-02
	-1.3011668E-02	4.2576828E-03	1.0092393E-01	8.1283978E-02	1.6721611E-02
	-3.5087837E-02	8.2912921E-03	-8.7403171E-03	1.1464976E-02	1.2783808E-02
-2.4476871E-01	3.0481783E-01	-1.6271845E-02	8.8080128E-02	-2.1270840E-02	3.6942236E-02
	-1.3844983E-01	3.9015760E-02	-2.9462057E-03	3.1630345E-02	-1.7927796E-03
	-3.5014738E-03	5.6930228E-03	3.6207843E-02	2.6823764E-02	-1.1850161E-02
3.4911822E-01	-4.2152635E-01	-2.2881739E-02	-1.4902288E-01	-6.5884550E-02	-1.0852067E-01
	2.9210823E-03	-4.6913841E-02	-3.2959051E-02	-4.5102556E-03	-9.0507488E-02
	-8.0836468E-02	-3.1536205E-02	-1.7968588E-02	7.7461631E-03	-3.9183684E-02
4.4339446E-02	-4.0566724E-02	3.1462368E-02	2.1738124E-02	4.4431764E-03	-5.9557740E-02
	1.9843870E-02	-3.1133253E-02	1.7950980E-03	-4.7113091E-02	-2.8238736E-02
	2.2579070E-04	-8.0499197E-03	-3.5822563E-04	-3.6707798E-02	-3.7908193E-02

Table 2

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, December-January-February (0400-0800 Local Mean Time)

	ALPHA	BETA			
	8.8959997E 00	1.1172676E 01			
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
2.4708628E 01	1.1168950E 01	5.3975323E-01	5.3488617E-02	-1.3126372E 00	1.8221003E 00
	1.6403057E 00	-1.1070866E 00	1.9032145E 00	-9.3916869E-01	5.4938932E-01
	-2.8519811E-01	-4.3863812E-02	3.2781367E-02	-1.1104136E-01	-4.7056206E-02
-1.2063811E 01	1.5406748E 01	-2.5008372E 00	-3.5950928E-01	-3.9540754E-01	2.5624771E 00
	4.9203000E-01	4.1923450E-01	1.3795897E 00	-7.0186109E-01	6.9998157E-01
	-4.2577593E-01	5.8064278E-02	3.7146920E-02	1.3286557E-03	-3.7895992E-03
-1.0207999E 01	4.7247673E 00	-1.3017046E 00	-2.8233249E-01	1.4007694E-01	9.6551996E-01
	4.7615673E-01	7.0136674E-01	-4.1730537E-01	1.1913625E-01	2.8627908E-01
	-1.9024140E-01	2.0172608E-01	-1.6137643E-03	1.1915763E-01	5.2077855E-02
9.5787162E-01	-5.2717172E 00	-2.0860336E 00	-9.9985138E-01	-9.7248806E-01	-1.7132704E 00
	-6.8064971E-01	-7.5229890E-01	-1.4071645E 00	3.6615339E-01	-3.9913346E-01
	2.8165051E-01	8.2018613E-02	1.6500272E-01	1.2923337E-01	-5.1854418E-03
2.5194096E 00	-6.3902846E 00	-3.6894196E-01	-9.1137637E-01	-2.9551020E-01	-1.2423832E 00
	-5.7009929E-01	-8.4320883E-01	-2.1708467E-01	-1.4507639E-01	-8.3519849E-02
	-2.0382031E-02	-6.5108523E-02	-9.6922469E-03	6.5883752E-03	2.0626687E-01
2.0232378E 00	-2.1320668E 00	8.0437411E-01	2.2942331E-01	4.9461356E-01	8.4689841E-02
	3.9129615E-02	-6.6396847E-02	5.3598557E-01	-1.6706482E-01	2.0271915E-01
	-1.1065382E-01	1.4671185E-02	-6.9747097E-02	-8.4880668E-02	1.4815098E-01
-2.3833891E 00	3.8407391E 00	-8.5252033E-02	1.2822482E 00	4.6997942E-01	1.1866027E 00
	4.0798102E-01	8.0799111E-01	4.5954359E-01	8.7501009E-02	-2.1074961E-02
	2.1336272E-02	1.9466618E-01	-2.2345423E-01	-1.5386809E-02	-1.2868163E-01
-1.6923513E 00	1.8477605E 00	5.5555128E-01	7.3825082E-01	6.2670678E-01	7.3314456E-01
	-1.4599730E-01	5.7363975E-01	1.4422209E-01	-3.5139767E-03	1.2435786E-01
	-1.4420623E-01	2.0171819E-01	-2.0285052E-01	7.8771804E-02	-1.7537896E-01
1.5428713E 00	-2.0439455E 00	1.7842541E-01	-5.1615243E-01	-2.9941241E-01	-9.6072389E-01
	-8.6046318E-01	-2.1511873E-01	-2.7162296E-01	2.3626172E-02	9.8389596E-02
	-9.6261899E-02	-4.5324087E-02	4.3413648E-02	-1.4415651E-02	2.2946060E-02
1.2621882E 00	-1.4695407E 00	-1.2368113E-01	-2.9480712E-01	-2.6014622E-01	-5.9806365E-01
	2.9481903E-01	-3.5012444E-01	-5.4419858E-02	1.8879047E-02	-1.1436944E-01
	6.9151708E-02	-1.7095195E-01	5.2092679E-02	-7.7797292E-02	-1.8812084E-02
2.0568127E-01	2.0729739E-01	5.8879865E-01	-4.2419448E-02	-1.5674029E-02	-9.0803306E-02
	3.4863901E-01	-1.5745062E-01	2.9550033E-02	6.0430512E-02	-1.3846764E-01
	8.1526819E-02	-1.6748500E-01	1.2773881E-01	-1.0907578E-03	-1.4498235E-02
-1.2118479E 00	1.9730702E 00	2.5550399E-01	1.3581480E-01	-2.2294651E-02	2.4651674E-01
	1.5675599E-01	2.9207846E-01	-7.8667264E-02	1.7531080E-01	-2.0204323E-01
	3.8640061E-02	-1.2869243E-01	1.2349379E-01	-3.1378426E-02	3.1693095E-02
1.6057947E-01	-7.0752900E-02	9.3492075E-02	-3.0081765E-01	2.6071964E-01	1.5118220E-01
	1.2608051E-01	2.7551077E-02	-8.3489345E-02	2.5513626E-02	-1.2177031E-01
	1.4972291E-01	6.9674648E-02	6.3487608E-02	1.5297627E-02	-5.8548197E-02
9.7478918E-01	-1.2284656E 00	2.6152640E-02	-5.9007117E-01	9.6683179E-02	-3.8584989E-01
	-1.6948079E-01	-1.4701075E-01	-3.9416429E-02	6.8498541E-02	-5.2602246E-02
	1.7816758E-01	-4.5153950E-02	5.0225440E-02	5.3360555E-02	-1.8718539E-02
2.7209767E-01	-3.6960666E-01	-1.0213541E-01	-1.3469335E-01	2.0101756E-01	-1.0482502E-01
	1.4792451E-01	-1.0389314E-04	-1.9800467E-02	7.8361094E-02	-4.0821599E-02
	1.1961976E-01	-1.5952396E-01	2.5370595E-02	-5.3529987E-03	1.2862559E-02
-4.8875837E-01	5.3542660E-01	2.3603535E-02	2.1660205E-01	7.1360400E-02	1.0256427E-01
	1.0307438E-01	-5.8633746E-02	-1.5361477E-01	-2.9821865E-03	-6.1896769E-02
	1.3273654E-01	-1.0149459E-01	4.6142578E-02	-4.5531185E-02	3.4560354E-03
-8.7266257E-01	1.0889378E 00	-1.2617540E-02	2.8958540E-01	-5.2191648E-02	1.7048240E-01
	7.9772010E-02	1.8564563E-01	-2.2456178E-02	7.6117411E-02	-2.1966235E-02
	5.2147390E-02	-1.6158637E-02	3.3138022E-02	-4.9770160E-02	7.7460285E-03
5.7019241E-01	-7.9530388E-01	-1.1077592E-01	-2.8353612E-01	-1.2750054E-03	-8.4768572E-02
	-5.6659313E-03	-5.6833556E-02	2.6549457E-02	-8.7108259E-02	8.0333111E-02
	-4.5845724E-02	1.3602652E-01	-1.6791370E-02	-9.0388558E-03	-9.5650246E-03
7.1237078E-01	-9.0842105E-01	-1.6493630E-01	-2.1662149E-01	-9.1158881E-02	-1.2562946E-01
	-1.7089522E-01	-1.4857826E-01	3.2113683E-02	-1.1830322E-01	2.7637729E-02
	-1.2717458E-01	3.0027815E-02	-1.0241388E-01	-1.3522648E-02	-1.1691491E-02
-3.0877989E-01	4.5756130E-01	-2.2869865E-01	3.2170182E-01	-8.3426043E-02	1.6168917E-01
	-5.0238298E-02	5.2684220E-02	1.1225605E-01	-2.0184270E-02	1.8627857E-02
	-1.3175911E-01	-1.1456568E-02	-5.5201921E-02	4.0093343E-02	2.1937170E-02
-5.6539643E-01	7.2952812E-01	-6.9947005E-02	4.1485193E-01	-8.9617126E-02	2.5380492E-01
	-9.9735364E-02	9.7625591E-03	3.3113157E-02	-4.9317667E-02	1.0069423E-01
	-1.2012378E-01	5.2523269E-02	-2.9611491E-02	4.4395402E-02	4.9338074E-02
-1.7035463E-01	2.4934301E-01	-2.6613139E-03	1.7357421E-01	-1.2593058E-01	1.4387632E-01
	-3.5856848E-02	8.6504247E-02	9.2324482E-02	1.0912808E-02	1.4482057E-01
	-8.9004511E-02	9.2170173E-02	-4.8316146E-02	2.6001918E-02	2.9121435E-02
6.6662318E-01	-7.9265494E-01	-4.1402152E-02	-1.7880888E-01	-1.4180572E-01	-1.2788163E-01
	-4.6068411E-02	-9.1444875E-02	5.1952622E-02	-8.2103784E-02	1.0000447E-01
	-8.6092610E-02	1.4004555E-01	-4.0755365E-02	4.0880884E-02	2.4886926E-03
1.7381785E-02	2.3468498E-02	1.8857093E-02	1.1411069E-01	-6.9341800E-02	2.3225912E-02
	-8.7591256E-02	-1.8921791E-02	2.5333626E-02	-3.7062830E-02	6.9285546E-02
	-6.9918845E-02	4.6409093E-02	-5.7496104E-02	-2.3909981E-02	-2.0212267E-03
-5.5412779E-01	7.3135080E-01	-3.7956350E-02	2.7949171E-01	-4.8153956E-02	1.3908918E-01
	-2.7135479E-02	8.1460536E-02	2.8269882E-02	7.3131111E-03	2.2324278E-02
	-2.8315057E-02	7.6984618E-03	-1.0682350E-02	-4.3902149E-03	3.3500306E-03
-1.3443997E-01	1.6564316E-01	-8.8173945E-03	2.9047627E-02	-3.7358878E-02	-1.1797418E-02
	-1.7930907E-02	-3.2344043E-02	-4.1223662E-02	-3.8980363E-02	-3.2640249E-02
	-3.0544979E-04	-1.0587843E-03	1.9286647E-02	1.3702944E-02	-1.2329718E-02
3.1800750E-01	-4.4886826E-01	6.1852787E-02	-2.2487609E-01	1.0712691E-02	-9.3184044E-02
	3.6174531E-02	-1.2496220E-02	-2.4022960E-02	-1.9173368E-02	-1.7886866E-02
	1.3759629E-02	-1.4605120E-02	1.2086646E-02	-2.6677330E-03	-1.1336496E-02
3.0582456E-01	-4.5267609E-01	8.0106727E-02	-2.0764414E-01	7.3132959E-02	-9.8565605E-02
	8.0436559E-02	-2.2134547E-02	-4.6491649E-02	-1.0637894E-02	-6.0023901E-02
	6.3867854E-02	-9.8548727E-03	3.8419195E-02	-5.0726386E-03	-1.0851643E-02
-1.6629585E-01	1.7475657E-01	8.1493734E-02	3.6651565E-02	1.0204513E-01	8.2165976E-03
	8.3105713E-02	4.5807199E-02	-1.6156082E-02	6.5254515E-02	-6.0148733E-02
	1.0202335E-01	-3.5749141E-02	4.3138597E-02	-2.1612022E-02	-1.3317428E-02

Table 3

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, December-January-February (0800-1200 Local Mean Time)

	ALPHA	BETA			
	7.3999998E 00	4.4563382E 00			
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
1.3678592E 01	3.6893735E 00	1.0340730E 00	1.9551008E 00	-8.4866267E-02	2.3154845E 00
	4.0916582E 00	7.2284366E-01	2.9809958E 00	-9.2387388E-01	1.0099626E 00
	-3.2087857E-01	-1.7872616E-01	-2.8233554E-01	-4.2776562E-01	-2.0839264E-01
-1.0522002E 01	1.1654781E 01	1.3904787E 00	1.6063105E 00	1.3502955E 00	1.9105424E 00
	1.5490924E 00	1.4258130E 00	1.3386891E 00	-1.3674804E-01	3.2782789E-01
	-3.4223825E-01	-8.9202816E-02	-1.4513078E-01	-2.1382320E-01	-4.5001151E-02
-9.7658886E 00	7.1389832E 00	-1.7311414E 00	-1.3339654E-01	-1.6566624E-01	-9.0930700E-01
	-1.1444237E 00	-9.7504420E-01	-1.7793985E 00	7.5799315E-02	-3.6362482E-01
	-1.1367152E-01	2.0106228E-01	6.4084775E-02	2.6360155E-01	-1.4681602E-02
3.5994287E 00	-9.8755657E 00	-1.5166177E 00	-3.1895979E 00	-1.3744971E 00	-2.5219037E 00
	-2.4668073E 00	-1.5177099E 00	-1.9425287E 00	2.1450008E-01	-5.5842830E-01
	3.1124652E-01	-1.1322766E-01	2.6176040E-01	1.8982198E-01	2.2443140E-01
5.8855345E 00	-5.2596394E 00	8.7807580E-02	-1.5566083E 00	8.3921010E-01	-1.3640930E 00
	1.1997980E 00	4.1906141E-03	9.3904568E-01	8.8635365E-02	2.1348057E-01
	3.6946162E-01	4.7296090E-02	2.2362828E-01	7.0145723E-03	1.4886598E-01
-4.3094732E-02	2.3562016E 00	1.2879229E 00	2.0765210E 00	4.3652024E-01	1.8806446E 00
	1.5159917E 00	1.2832678E 00	1.2758289E 00	4.8505719E-02	2.1368923E-01
	-5.4668590E-02	6.1192275E-02	-1.9832636E-01	-1.9369460E-01	-2.6246602E-01
-4.8486268E 00	6.5549904E 00	1.2163246E-01	1.9485787E 00	4.6154774E-01	2.0793808E 00
	-2.4923866E-01	1.2119878E 00	-1.2340990E-02	3.8966831E-02	-2.2772469E-01
	-3.8158760E-01	-1.0399530E-01	-3.3023168E-01	-6.7990925E-02	-1.8695793E-01
1.5831780E 00	-2.7975056E 00	-3.4188070E-01	-1.0724334E 00	-3.5370345E-01	-1.3133522E 00
	-1.1318140E 00	-1.0946811E 00	-9.0522982E-01	-2.3643371E-01	-1.0785315E-01
	-2.0912782E-01	-2.7139931E-02	4.3109195E-03	1.7439283E-01	1.4511371E-01
1.9786612E 00	-3.0417989E 00	-9.8814670E-01	-1.4817822E 00	-8.2988759E-01	-1.1745352E 00
	-5.1824905E-01	-9.7270329E-01	-1.7869539E-01	6.3554639E-02	2.6987576E-01
	2.6404054E-01	-6.9179281E-05	2.2961237E-01	1.4465636E-02	1.3110688E-01
1.9321056E-01	4.5116452E-01	3.8961747E-01	3.8164060E-01	7.6984583E-02	3.0632400E-01
	7.3553126E-01	1.7893362E-01	4.1349240E-01	1.9724423E-02	1.4461229E-01
	3.1959121E-01	1.8329925E-01	2.5229946E-01	1.7580776E-02	3.6089115E-02
-2.3123921E 00	3.3821749E 00	3.4876688E-01	9.0695931E-01	5.1610401E-02	8.4439473E-01
	2.5700200E-01	7.5664303E-01	1.0611860E-01	4.5955658E-02	-2.7979851E-01
	-9.8434162E-02	-7.5251077E-02	-1.7319727E-01	-9.5416979E-02	-1.2676754E-01
2.8588300E-02	-2.7431504E-01	8.2445823E-02	1.9311650E-01	5.4616135E-01	3.8496154E-01
	-2.9043438E-02	1.7452648E-01	-3.6354472E-02	-5.6875107E-02	-7.5868821E-02
	-2.9346942E-01	-7.1204875E-02	-2.4481053E-01	-1.5852532E-02	-8.5003200E-02
1.9474801E 00	-2.9633209E 00	-3.9161857E-01	-7.7595954E-01	-1.1487169E-01	-7.2047809E-01
	-4.3993564E-01	-6.7538785E-01	-7.9812597E-02	-1.1751118E-01	1.4859184E-01
	-7.6659814E-02	-7.9078993E-02	7.3904371E-03	-1.1669322E-02	5.9168913E-02
-6.1330629E-01	7.3015341E-01	-3.9588821E-02	3.1686928E-01	-2.3659521E-01	-1.7325301E-02
	8.4125731E-02	2.7032749E-04	1.3412636E-01	1.8313025E-01	1.4959827E-01
	2.4712430E-01	1.3046134E-03	1.9145948E-01	1.9783561E-02	1.0125413E-01
-7.1672168E-01	1.1353699E 00	2.0109983E-01	4.0176481E-02	-1.7342394E-01	-1.8755196E-02
	8.8470801E-02	1.4017813E-01	-1.4850720E-01	-8.7217997E-03	-1.0389759E-01
	1.2572308E-01	1.7862964E-01	9.3848733E-02	8.9867532E-02	-1.8548976E-02
-2.9146931E-01	4.7035090E-01	1.9312585E-01	-1.4659099E-02	9.5447704E-02	1.2733833E-01
	2.9826232E-02	2.6832155E-01	-4.3171334E-02	3.6686951E-03	-1.5461983E-01
	-1.2760782E-01	1.5283141E-02	-1.1521889E-01	-3.2378322E-02	-5.4808255E-02
1.3533281E 00	-1.7067707E 00	-5.7088577E-02	-3.3158136E-01	2.2638757E-01	-1.5199617E-01
	-9.7460150E-02	-2.1984149E-01	7.7861574E-02	-1.2471613E-01	7.0470557E-02
	-1.3755064E-01	-5.0529287E-02	-4.9771348E-02	-1.9827805E-02	3.0484834E-02
-2.3635648E-01	1.9396031E-01	-2.6525325E-01	1.8744053E-01	-3.0333768E-02	6.7110430E-02
	2.3516957E-02	-4.9904691E-02	9.6389604E-02	4.3942459E-02	8.2950609E-02
	4.0629004E-02	-1.3165243E-01	-2.2849553E-03	-6.6875659E-02	-1.6012350E-02
-1.0026307E 00	1.3341642E 00	1.0788096E-01	4.0770198E-01	-2.3532666E-03	2.6023507E-01
	1.6028009E-01	1.7848058E-01	-6.9670677E-02	9.9173573E-02	-3.7593005E-02
	1.3060678E-01	2.9477082E-02	5.5857385E-02	7.6328030E-02	1.0959361E-02
3.6084422E-01	-4.5423290E-01	1.3672025E-01	-3.5258121E-01	-1.4018466E-01	-1.7385279E-01
	-4.2100248E-02	-2.1324812E-02	-1.2664235E-01	-3.8065780E-02	-5.2051407E-02
	-2.2172135E-02	7.6119062E-02	-5.3989401E-02	-2.6404079E-03	-5.4712819E-02
6.4009704E-01	-8.1540370E-01	-1.3297804E-02	-2.2673227E-01	3.4814737E-02	-6.5025549E-02
	-2.4831254E-02	-6.3446964E-02	6.9648303E-02	-4.5102159E-02	3.8811718E-02
	-5.4640597E-02	5.1490127E-02	3.1367545E-02	-8.8323104E-03	4.6252372E-02
-2.2220759E-01	2.2083015E-01	-1.7207387E-01	1.6593347E-01	-3.0891912E-02	-1.4825895E-02
	-1.2716732E-01	-1.3562194E-01	7.8251404E-02	-8.0175617E-03	4.3562554E-02
	6.2449295E-04	-2.9557687E-02	5.7018389E-02	4.6331263E-03	3.4779762E-02
-7.2539324E-01	9.3004156E-01	-1.5844790E-02	3.4652920E-01	4.6901460E-02	1.6921970E-01
	3.5577714E-02	1.1739977E-01	2.7534440E-02	8.5089335E-02	-1.9686001E-02
	2.6051002E-02	-8.7769107E-02	-3.2477184E-02	1.5784950E-03	-1.7170385E-02
4.3699871E-01	-5.4127661E-01	1.1066223E-01	-2.1966006E-01	8.4265970E-03	-1.1183777E-01
	3.4511621E-02	-1.1498693E-02	-1.1855339E-01	-7.1729596E-02	-5.3222775E-02
	-3.5640325E-02	1.8726966E-03	-6.4124323E-02	-7.4126336E-03	-4.2253940E-02
4.1450108E-01	-5.0197443E-01	8.0816345E-02	-1.7123019E-01	-6.0595715E-03	-5.7327936E-02
	5.1063863E-02	2.3838427E-02	2.1789115E-02	-1.6447332E-02	3.3652837E-02
	-1.7534342E-02	4.9364792E-02	-3.4603519E-03	-3.3648409E-02	-3.5824133E-03
-2.6396096E-01	3.0688848E-01	-6.0397416E-02	1.3567229E-01	-1.8662865E-02	5.5281976E-02
	-1.5526578E-02	1.0599566E-02	6.2548250E-02	3.7850850E-02	3.8992259E-02
	5.5617422E-02	4.7236877E-02	1.0813814E-01	3.7713708E-02	7.0870858E-02
-3.3972182E-01	3.9568803E-01	-7.4072421E-02	1.2608615E-01	2.2696934F-02	4.7324248E-02
	-1.5522503E-02	5.1440517E-03	1.5989539E-02	3.8537368E-02	-2.1667515E-02
	2.5288845E-02	-2.0787875E-02	1.7844046E-02	2.3733540E-02	-1.0424156E-02
2.6033309E-01	-3.0522170E-01	4.2173650E-02	-1.2513345E-01	1.6877268E-02	-6.0372581E-02
	-1.3766297E-02	-3.1433185E-02	-5.7179672E-02	-4.4811366E-02	-4.1098990E-02
	-4.4948869E-02	-3.5662623E-02	-7.8756260E-02	4.9558972E-04	-2.6268726E-02
1.8743666E-01	-2.0306378E-01	3.3554979E-02	-9.8350214E-02	-2.4392836E-02	-2.6569709E-02
	-1.1971404E-03	-2.2074911E-03	-3.7719417E-02	-4.3693449E-02	-2.4417693E-03
	-2.9131380E-02	-2.6913591E-02	-6.8040792E-02	-6.7067364E-02	-4.1267152E-02

Table 4

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, December-January-February (1200-1600 Local Mean Time)

	ALPHA	BETA		
	1.0199999E 01	6.1433807E 00		
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS			
2.1195666E 01	-1.6252996E 00	-1.5915673E 00	3.3117052E 00	-1.2352005E 00	2.5794620E 00
	1.8846200E 00	2.6502026E-01	2.2717264E 00	-1.0563087E 00	9.9228225E-01
	-3.0426393E-01	1.8460836E-01	1.5387183E-01	-1.9951040E-01	1.9397623E-02
2.8510924E 00	3.3714277E 00	-2.4502957E 00	4.3774928E-02	6.2799786E-01	3.8455695E 00
	2.0191816E 00	7.6925039E-01	1.0895541E 00	-4.9254127E-01	3.0763897E-01
	-6.3594893E-01	-5.0495533E-02	-5.6613536E-02	-1.3628958E-01	-1.0327433E-01
-9.7367435E 00	3.9214475E 00	-2.2782402E 00	-1.2964666E 00	4.8392872E-02	1.3969122E-01
	-2.8898673E-01	6.1361855E-02	-1.0101917E 00	4.3156984E-01	-3.4345614E-01
	6.0704179E-02	-1.1328842E-01	-1.7927211E-01	1.2563582E-01	-1.2859601E-01
-1.7008410E 00	-7.9466102E 00	-2.1845230E 00	-1.4107049E 00	-1.4646611E 00	-3.8194157E 00
	-2.3015955E 00	-1.5439627E 00	-2.0466159E 00	2.7106828E-01	-6.4051564E-01
	5.6232174E-01	-1.0301921E-01	2.1666726E-01	1.8278065E-01	2.4553327E-01
2.7954750E 00	-2.9640658E 00	1.2620159E 00	1.1773525E-01	1.0419062E 00	-1.1969622E 00
	5.6866838E-01	-5.5203462E-01	1.0088003E 00	1.8688716E-02	3.9487872E-01
	2.1286649E-01	1.6117025E-01	1.8916659E-01	5.6373799E-02	1.7541451E-01
-2.1668086E 00	4.2012510E 00	1.1125416E 00	1.4590522E 00	4.2098612E-01	1.8058296E 00
	6.3520339E-01	8.1980816E-01	1.0060175E 00	-1.2443786E-01	9.2741311E-02
	-1.8199921E-01	1.3688233E-01	-1.6478474E-01	-1.7563292E-01	-2.2060229E-01
-8.6592978E-01	2.6516588E 00	6.5398695E-01	3.6320669E-01	7.8934337E-01	1.1645120E 00
	-1.3312695E-01	1.4541166E 00	-1.1615994E-01	1.8308682E-01	-1.3161775E-01
	-2.2431723E-01	-3.7118817E-03	-2.6035840E-01	-4.0026050E-02	-2.2661366E-01
7.2960486E-01	-7.6004069E-01	-9.9997635E-02	-4.6870641E-01	-2.8935549E-01	-9.0240195E-01
	-8.9681748E-01	-2.0111174E-01	-5.9176772E-01	2.7413398E-02	-5.5873115E-02
	-1.1560060E-01	-1.7978237E-01	3.9423904E-02	1.3566203E-01	1.4935198E-01
2.4359427E 00	-3.2116594E 00	-5.2479599E-01	-1.1067209E 00	-5.5171065E-01	-9.4277334E-01
	1.5442825E-01	-9.7865996E-01	-2.4436904E-01	-4.2833986E-02	2.7865615E-01
	2.3746949E-01	-4.1025398E-02	2.4105109E-01	-3.4433099E-02	1.8630731E-01
4.7124772E-01	3.2335156E-01	4.7707480E-01	2.2494677E-01	-1.7894853E-01	1.9649530E-01
	8.4854720E-01	-1.6048218E-01	4.1800827E-01	1.0022928E-02	3.4143113E-02
	7.3697582E-02	1.1657316E-01	4.8952416E-02	-7.5123267E-02	-4.0867794E-02
-2.8600572E 00	3.8364061E 00	-3.0771594E-01	7.2481187E-01	-2.7750182E-01	7.6220766E-01
	-8.7619493E-02	3.0118121E-01	-2.8880657E-05	-6.2356823E-02	-4.2011482E-01
	-1.3414442E-01	5.7567474E-02	-8.1644980E-02	4.3261580E-02	-7.9090527E-02
9.6446226E-01	-1.4759848E 00	-2.6487257E-01	-1.9413926E-01	5.0354124E-01	2.2472584E-01
	-1.8242929E-01	1.0171564E-01	-7.8557819E-02	-1.1726081E-01	-2.3720737E-03
	3.1795270E-04	-2.0974413E-02	-1.4686562E-01	4.9813811E-03	-4.9009672E-02
8.6009191E-01	-1.2713698E 00	-1.8468534E-01	-2.0758153E-01	-1.1817771E-01	-4.9530735E-01
	-2.8708780E-01	-1.1623441E-01	-1.2093921E-02	1.5988752E-02	2.1442334E-01
	4.7174148E-02	-8.8492200E-02	8.4196448E-02	5.1404458E-02	7.3840834E-02
-1.8898125E-01	-2.0969943E-02	-7.8314137E-02	9.7902361E-02	3.5909809E-02	9.2500031E-02
	2.7490411E-01	3.6813599E-02	7.8032442E-02	1.1547065E-01	1.5977124E-01
	3.4659277E-02	3.2910239E-03	9.9763780E-02	-1.5646375E-03	-3.4450365E-02
-1.0330418E 00	1.3057189E 00	1.3813736E-01	2.7774635E-01	-3.8135047E-02	2.4430460E-01
	7.0992250E-02	3.3524432E-02	-3.4434454E-02	5.6441095E-02	-1.0321327E-01
	-9.2912834E-03	7.6389641E-02	-3.9099589E-02	-8.0977857E-02	-5.9433246E-02
1.1757573E-01	-1.3787233E-01	6.0145636E-02	-8.3969891E-02	-9.6766795E-02	-1.0379139E-01
	-1.8583772E-01	-1.0581764E-02	5.9889757E-02	-3.7696124E-02	-1.2790604E-01
	-1.3234336E-01	-7.0126113E-03	-9.7323856E-02	-6.3178741E-03	6.3328241E-02
1.2135891E 00	-1.5865899E 00	4.1435521E-02	-3.8087285E-01	1.2200729E-01	-3.0279186E-01
	-1.8479954E-01	-2.2544014E-01	-6.1292456E-02	-1.6299421E-01	6.7750003E-02
	-3.8733831E-02	-2.1174688E-02	-4.0929269E-02	4.8713152E-02	6.3827209E-02
-9.1148301E-01	1.1058104E 00	1.1623959E-01	3.7721143E-01	3.0755453E-02	7.6136412E-02
	8.2486544E-02	1.8363120E-01	-1.0164312E-02	1.2842913E-01	1.0192727E-01
	1.3351137E-01	-1.7639880E-02	1.0480467E-01	5.1762798E-02	6.9742575E-03
-2.4923125E-01	3.6138988E-01	1.0936729E-01	6.4977269E-02	-5.6532472E-02	-9.1320995E-03
	1.3351730E-01	1.1305047E-01	-1.2820957E-02	2.4868737E-02	-8.9729837E-02
	-9.3801460E-04	-3.8447511E-02	3.1518384E-02	-3.5286334E-02	-9.3556198E-02
1.8305383E-01	-1.1783668E-01	1.0850424E-01	-4.0494092E-02	-2.8407622E-02	3.0734800E-02
	1.0177509E-01	4.2727728E-02	4.3500865E-02	1.7791372E-03	-4.6418950E-02
	5.4823756E-02	5.0402705E-02	-2.1045153E-02	-8.2383521E-02	-2.2709224E-02
5.2706732E-01	-6.4390506E-01	-6.6101757E-02	-2.9927223E-01	-6.0318246E-03	-8.1631217E-02
	-4.6620619E-02	-1.3154466E-01	9.5397589E-03	-9.7393751E-02	-2.7458554E-02
	-3.5134932E-02	3.0837301E-02	-2.6454490E-02	7.1511399E-03	5.3966701E-02
-3.1065988E-01	3.2982419E-01	-1.0523235E-01	9.2582927E-02	1.1262024E-01	1.9030247E-01
	-1.6946089E-02	1.2453441E-02	5.5419037E-03	3.0762989E-02	2.4330996E-02
	-3.6776858E-02	-2.6911816E-03	2.5476631E-02	6.7445666E-02	1.9077655E-02
-1.6587300E-01	1.9210733E-01	-1.1314966E-01	4.7698400E-02	7.8447724E-03	9.5221813E-02
	-1.8201293E-02	1.5891317E-03	-8.2749993E-02	2.7367715E-02	1.7720994E-02
	-1.8635817E-02	-6.3401915E-02	-1.7230482E-02	3.9772833E-03	-2.4617737E-02
4.4937125E-01	-5.0987883E-01	-3.5692872E-03	-1.4733630E-01	-6.8077263E-02	-1.3314946E-01
	-1.3854822E-02	-5.8101218E-02	-4.1478338E-02	3.0210204E-03	2.9464647E-02
	5.5691702E-03	-1.9148920E-02	-2.0509105E-02	-1.6393934E-02	-1.3504717E-02
-1.1992753E-01	2.2544779E-01	5.5261121E-02	7.0649109E-02	-5.1416070E-03	2.1304575E-02
	4.1279925E-02	7.1089803E-02	3.7315600E-02	3.9818160E-02	1.8683881E-02
	2.4583898E-02	5.5315243E-02	2.3281684E-02	5.5382513E-03	1.9942526E-02
-2.2971541E-01	2.3500195E-01	-5.1334227E-02	3.3867135E-02	1.0813156E-03	-6.8287011E-03
	-7.3638474E-02	-6.0553923E-02	-2.0777320E-02	-2.9627960E-02	-2.5396500E-02
	-2.9825598E-02	1.6721372E-02	-5.7862495E-03	-1.2373143E-02	-1.7353586E-03
-1.2654805E-01	1.5626757E-01	3.0901098E-02	1.4309803E-01	2.7795556E-02	3.5239260E-02
	-1.1812702E-02	3.6858023E-02	1.0213076E-01	3.2519487E-02	8.4260086E-03
	-2.1029265E-02	-3.7546197E-02	-1.0383911E-02	-8.5566368E-03	1.2213795E-02
2.3631930E-01	-3.4019929E-01	1.1631165E-02	-6.0469750E-02	-9.2809528E-02	-1.3459170E-01
	-3.4124105E-02	-2.9301005E-02	1.2402058E-02	-5.4585130E-02	1.2217630E-02
	2.9283971E-02	1.0830903E-02	4.9730089E-05	1.4642564E-02	2.6307699E-03
-6.2883835E-02	3.9639458E-02	3.5707188E-02	5.7909231E-02	2.7017838E-02	1.7823510E-02
	5.1220206E-02	3.6084274E-02	-1.4046269E-02	-3.7798690E-03	1.3104877E-02
	5.3004863E-02	2.4665700E-02	-3.3282186E-04	7.0126701E-03	-7.9451582E-03

Table 5

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, December-January-February (1600-2000 Local Mean Time)

		ALPHA 1.7299998E 01	BETA 8.2123948E 00		
CH1	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
3.2305713E 01	-2.0355738E 00	4.9220239E-01	1.3386209E 00	-2.8862880E 00	1.5845839E 00
	1.9947726E 00	4.4233234E-01	1.9913942E 00	-1.0373494E 00	4.9992752E-01
	-7.2464804E-01	7.0640023E-02	1.5923001E-01	-1.0995423E-01	9.3407241E-02
-3.3808887E 00	7.4242387E 00	-3.4387444E 00	-1.3343412E 00	-3.7270395E-01	4.2980807E 00
	1.8563349E 00	1.0619792E 00	1.3492489E 00	-6.4475073E-01	5.7304321E-01
	-8.2195662E-01	-6.4570557E-02	4.2694215E-02	-6.4275594E-03	1.7573123E-01
-1.1472223E 01	5.2664811E 00	-1.7230044E 00	-1.5551679E-01	2.6438349E-01	3.6424514E-02
	-3.1139582E-01	-5.8324654E-01	-1.1624236E 00	4.3136495E-01	-3.3718567E-01
	2.8357918E-02	-6.0566015E-02	-1.1750717E-01	7.2500186E-02	-1.6816757E-01
-3.6443495E 00	-5.3534948E 00	-1.4921502E 00	2.5004848E-01	-5.5909861E-01	-2.8568626E 00
	-1.8302757E 00	-1.6088453E 00	-1.4346487E 00	3.6546583E-01	-6.8097228E-01
	5.2750898E-01	3.6733691E-02	8.5499041E-02	-6.0391322E-02	1.0841294E-02
1.4429479E 00	-3.9937490E 00	5.4265225E-01	-4.9366744E-01	1.3447349E-01	-1.1552056E 00
	-3.7133250E-01	-5.0093474E-01	6.2045966E-01	-3.0378099E-01	3.4072798E-01
	3.1270610E-01	6.2809617E-02	1.2483331E-01	-5.1772183E-02	2.7064352E-01
2.9971868E-01	8.6649755E-01	1.7627724E 00	4.3188486E-01	3.6214518E-01	5.5675224E-01
	7.5702051E-01	1.1444650E 00	7.9885275E-01	2.0342847E-01	1.5558198E-01
	1.3001570E-01	9.6284148E-02	-1.2295703E-01	-5.5092660E-02	-2.0694358E-01
-2.7288189E 00	4.2208331E 00	7.4983779E-01	6.6437260E-01	9.4340858E-01	9.5416988E-01
	1.8555192E-01	1.3979073E 00	-4.9180363E-02	2.2771546E-01	-2.7141622E-01
	-3.0107129E-01	3.5073735E-02	-1.8640174E-01	9.2786443E-02	-2.4371536E-01
1.5391123E 00	-1.6567589E 00	3.7676359E-01	-3.7478305E-01	8.9705658E-02	-8.2055662E-01
	-8.5542970E-01	-2.6683258E-01	-6.5579049E-01	-7.5376557E-02	1.2388259E-01
	-1.5039002E-01	-1.7976162E-01	3.4429323E-02	1.2490299E-01	1.2857418E-01
3.1074956E 00	-2.5008721E 00	-5.7943664E-01	-7.6156924E-01	-8.3001310E-01	-7.9000644E-01
	3.5443417E-01	-6.1573291E-01	1.9495538E-03	-2.5412409E-02	1.8895401E-01
	2.2782488E-01	-9.0393918E-02	8.7053596E-02	-4.8611456E-02	1.1346324E-02
4.2720056E-01	7.3095204E-01	3.6300314E-02	3.2257176E-01	-1.5716679E-01	6.9194801E-01
	7.0596265E-01	-1.5511983E-01	3.0491503E-01	-2.6033790E-01	-1.6349903E-01
	-6.8776015E-02	1.5020603E-01	9.3541890E-02	-4.9362950E-02	-6.5171868E-02
-2.0007750E 00	3.0065373E 00	-5.0464786E-01	4.8603033E-01	-4.2853173E-02	7.8166469E-01
	-1.9526337E-01	1.7837648E-01	-1.6470660E-01	1.0398903E-01	-1.6108554E-01
	-4.4156591E-02	6.7756890E-02	-2.0346315E-02	-1.7782480E-03	2.1745103E-02
4.2310581E-01	-7.9971813E-01	-5.3064731E-01	-2.2844677E-02	2.3239679E-01	1.5540911E-01
	-7.2917147E-03	-1.3106324E-01	8.7605411E-02	-3.6226564E-02	7.6814269E-02
	2.5683752E-02	-1.7291147E-02	-1.0581876E-01	1.6085179E-02	5.0463710E-02
1.0199427E 00	-1.7428955E 00	-1.7171382E-01	-2.2294398E-01	6.1445113E-02	-3.1152481E-01
	-1.6118130E-01	-2.7464292E-01	1.5509579E-01	-5.4453431E-02	2.2081949E-01
	-8.5252726E-02	-1.3510766E-01	3.5648244E-02	-4.9334149E-02	8.8374116E-02
-9.0754515E-01	7.1313995E-01	-1.1410321E-01	1.7721899E-01	-9.4560862E-02	-4.7776026E-02
	3.7494533E-02	5.1232451E-02	2.4191666E-03	9.2391822E-02	-4.2546715E-03
	-4.6426528E-02	-3.1606179E-02	2.2866338E-02	-4.1533131E-02	-2.2846768E-02
-6.5378803E-01	5.7844895E-01	3.5207006E-01	-1.7716198E-02	-6.4137163E-02	-9.0668528E-03
	-6.8417194E-02	8.8066806E-02	-1.2813427E-01	-8.9980521E-03	-1.3707758E-01
	7.6829031E-02	1.3164817E-01	2.5789459E-02	2.2734278E-02	-3.5010008E-02
1.4007229E-01	-3.8017821E-01	2.4297698E-01	-2.3036518E-01	-1.5691585E-02	-2.3140861E-01
	-1.9105471E-01	1.7809356E-01	3.4141665E-03	8.4874668E-02	-4.1164511E-02
	3.2923459E-02	2.7879001E-02	3.9428619E-04	4.0974346E-02	2.3473413E-02
6.3198559E-01	-8.4950013E-01	1.8930113E-01	-8.6860144E-02	2.7533968E-01	-1.3555789E-01
	2.2442823E-02	-3.6525333E-02	4.4853797E-02	-4.1269442E-02	3.7457432E-02
	1.0328562E-02	-4.6362550E-02	-6.1615797E-02	5.1151779E-02	-6.9398507E-03
-6.7164457E-01	9.2245096E-01	1.2747910E-01	2.8528649E-01	4.8730213E-02	1.8854984E-01
	1.0107601E-01	7.5965182E-02	-2.6107643E-02	6.0109560E-02	6.3850736E-02
	7.3556008E-02	-3.5307725E-02	1.1735024E-03	-1.6357110E-02	-2.9583659E-02
1.5111519E-01	1.0035205E-01	1.1954195E-01	-2.9429623E-02	-4.1627001E-02	-2.3169523E-02
	1.2464899E-01	7.4059492E-03	-6.4332649E-02	-3.7852553E-02	-7.5731162E-02
	-5.8508894E-02	3.1034149E-02	-1.8235207E-03	-5.3841425E-03	-3.4282455E-02
3.8560741E-01	-3.1614377E-01	4.0744784E-02	-1.2984228E-01	-1.2535419E-01	-8.2583567E-02
	1.7890413E-03	-2.0417989E-02	-1.8487279E-02	-5.4185897E-02	-1.8230558E-02
	-2.7742237E-02	2.6879850E-02	1.0855461E-02	-2.9694809E-02	-2.4814571E-02
1.8905094E-01	-2.1978804E-01	-1.8197734E-01	-3.4323508E-02	4.4485139E-02	9.7363814E-02
	4.3818994E-02	-7.0154730E-03	2.5750618E-02	-5.6198089E-03	5.0361093E-02
	1.7759249E-03	-2.7224449E-02	3.8988669E-02	7.6586930E-03	2.8036116E-02
-1.4621576E-01	1.5103623E-01	-2.6302251E-01	7.9485602E-02	1.7478734E-02	8.7757641E-02
	-4.2103498E-02	-1.0344517E-01	1.1809144E-02	4.1655408E-03	1.6137415E-02
	-7.0753967E-05	-3.4906545E-02	2.4268640E-02	2.6408323E-02	2.3144510E-02
-1.2593192E-01	1.7230713E-01	-1.0872765E-01	3.1183708E-02	-5.9837505E-02	1.1710140E-01
	-3.7618271E-02	4.4157599E-02	5.0899261E-02	2.6497766E-02	-5.0244530E-03
	-2.6915694E-02	-4.1363416E-02	-3.4149375E-02	-4.9171597E-02	1.7260598E-02
3.6601989E-01	-4.4295490E-01	-2.5901563E-02	-1.6945724E-01	-6.7412478E-02	-8.6987201E-02
	-2.3939421E-02	-3.9012170E-02	-4.2514887E-02	-4.6437520E-02	-3.8435971E-02
	-8.1762351E-03	4.1216032E-02	-3.0116581E-02	-1.7338241E-02	1.4828163E-02
-2.3100658E-01	2.2898629E-01	-8.8256916E-03	7.4727461E-02	-8.1873878E-03	-1.5702151E-03
	-1.3488439E-02	1.5580658E-02	-2.3304864E-03	3.0397123E-02	1.1827466E-02
	3.1926930E-02	6.4493169E-02	2.6987737E-02	2.6211731E-02	9.8053920E-03
-2.5347418E-01	2.7642996E-01	4.5468187E-02	1.3316312E-01	5.2986507E-02	-1.5426459E-02
	-3.1836513E-02	-1.2023275E-02	4.5968820E-02	4.6932718E-02	3.7882622E-02
	-1.3164043E-02	-1.3546564E-02	6.7710921E-03	2.1979876E-02	-1.6830139E-03
-9.0145638E-02	1.1387540E-01	4.6290830E-02	4.6363589E-02	5.0002973E-02	-3.7429946E-02
	-1.6494261E-02	-1.5605751E-02	1.3574988E-02	2.7924421E-02	8.7663486E-03
	1.3709948E-02	-2.7388287E-02	-2.4192165E-02	-4.0515448E-03	-1.1835283E-02
2.0969876E-01	-3.0928810E-01	1.1245514E-01	-1.1176715E-01	2.7250227E-02	-5.4758964E-02
	2.1597100E-02	1.0031946E-02	-3.7025369E-02	-6.7426075E-02	-2.7940628E-02
	7.7823256E-03	1.0289352E-02	-1.1681755E-02	-6.4934123E-04	4.8219419E-04
-4.1607042E-02	3.7411390E-02	8.1013772E-02	-4.7511579E-03	-3.2309588E-02	-4.5436297E-02
	2.2140727E-02	2.4184142E-02	-7.9284304E-03	-2.4197213E-02	-1.0280655E-02
	2.2039934E-02	1.4593516E-02	1.2608549E-02	-2.8573877E-03	-2.7414132E-02

Table 6

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, December-January-February (2000-2400 Local Mean Time)

	ALPHA	BETA			
	2.4699978E 01	5.9842257E 00			
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
3.5435247E 01	1.8248031E 00	3.3841712E 00	2.9089804E 00	-4.9593471E-01	1.1353447E 00
	2.7604071E 00	2.0684212E-01	2.2219201E 00	-1.1326537E 00	4.8122797E-01
	1.8323042E-02	7.6152689E-02	-2.0681536E-01	-2.6917184E-01	7.9095774E-04
-4.9114815E 00	9.1351752E 00	-5.1355494E-02	2.2173252E 00	6.2326728E-02	2.6873965E 00
	1.1167600E 00	8.2756522E-01	1.0689406E 00	-2.1035684E-01	5.0891898E-01
	-8.4683782E-01	-1.9002357E-01	3.7304568E-02	-2.1578846E-01	7.3204932E-02
-7.5353606E 00	1.1794952E 00	-7.2433398E-01	-5.4264613E-01	5.2570094E-01	5.3623515E-01
	1.4298247E-02	-7.2010633E-01	-1.1111773E 00	-5.4999591E-02	-4.7320392E-01
	9.4004625E-02	1.5637482E-01	2.3497033E-01	2.6004368E-01	-1.9916479E-01
-1.5468102E 00	-4.7245587E 00	-2.9012581E 00	-1.6285494E 00	-8.0737060E-01	-1.7175899E 00
	-1.4204902E 00	-1.4494815E 00	-1.4045808E 00	9.2965117E-02	-7.0088043E-01
	2.8486475E-01	-2.0438350E-01	-9.5002979E-02	-6.1424174E-02	7.4339364E-02
8.4498447E-01	-4.1240829E 00	-4.3213584E-02	-4.5685675E-01	5.9037698E-01	-7.1607041E-01
	-2.1266550E-01	-1.7656445E-01	7.0856296E-01	3.2508828E-02	5.5861721E-01
	5.0059042E-02	2.6143110E-02	1.0704834E-01	3.4928904E-02	2.0641569E-01
4.0567747E-01	4.1371812E-01	1.2969992E 00	3.7398192E-01	4.5455590E-01	5.4359812E-01
	5.8364142E-01	8.8598841E-01	8.3779132E-01	3.0575194E-01	1.7057902E-01
	3.1116787E-01	3.1189258E-01	-7.9370954E-02	-8.8471369E-02	-1.4404023E-01
-3.2428984E 00	4.0203333E 00	7.4707419E-01	1.4157306E 00	7.7092010E-01	7.6873918E-01
	-2.7895940E-01	1.1269854E 00	-1.0934267E-01	1.7078876E-01	-3.4643971E-01
	-3.1494126E-01	1.9229928E-03	-3.9838317E-01	9.0777727E-03	-1.4224409E-01
1.0966123E 00	-1.7277929E 00	5.9568189E-01	-8.7980062E-01	-2.6122505E-01	-1.0255267E 00
	-8.9803807E-01	-9.1948096E-02	-5.8150181E-01	-1.3976124E-01	-3.6691475E-02
	-2.3195506E-01	-2.5906593E-01	8.0590774E-02	2.3161387E-01	1.2782269E-01
2.6298584E 00	-2.6948904E 00	-2.9619498E-01	-7.7465105E-01	-8.4515951E-01	-1.0258851E 00
	3.0494592E-01	-7.3121415E-01	-9.4522905E-02	8.6438558E-02	2.2491106E-01
	4.0400076E-01	8.4681183E-02	2.8442984E-01	4.8648556E-03	5.1439263E-02
-1.2958366E-02	9.7050955E-01	6.4543217E-01	3.8199243E-01	-6.8028172E-02	5.0577201E-01
	6.4128995E-01	-3.0919614E-02	3.1475414E-01	-1.8486945E-01	-1.2544604E-01
	-9.3079913E-02	-2.3914525E-02	-2.3262103E-02	-1.7400785E-01	-1.0076777E-01
-2.1799633E 00	3.2748127E 00	-2.8079850E-01	4.2860047E-01	-2.2682926E-01	9.4929082E-01
	8.1819155E-02	4.1806862E-01	-1.8118725E-01	-8.9165242E-03	-2.2946721E-01
	-8.5213522E-02	5.9433596E-02	-6.0496603E-02	3.0090971E-02	4.8712723E-02
1.5857417E 00	-2.1510051E 00	-4.3752338E-01	-2.0603134E-01	1.9836291E-01	4.1155909E-02
	1.6098325E-01	-1.8105209E-01	-3.1393329E-02	-1.0455566E-01	1.1924576E-01
	1.2972732E-01	7.3328463E-02	-1.3328279E-01	2.0477591E-03	-4.5920131E-02
1.1666320E 00	-1.5745152E 00	-2.5160900E-01	-3.9927999E-01	1.4512656E-02	-3.0628287E-01
	-2.2251131E-01	-2.4568821E-01	1.2343365E-01	-9.1652089E-02	2.5881509E-01
	-4.5254325E-02	-1.3860443E-01	7.2956237E-02	-2.3770635E-02	2.5089838E-02
-9.3686551E-01	9.3890351E-01	-4.4875813E-01	3.2610730E-01	2.8413167E-02	1.1604393E-01
	1.0985754E-01	-4.2500595E-02	-2.7233820E-02	1.4347922E-01	4.2776486E-02
	-1.9286688E-03	-9.7145889E-03	1.6939322E-01	5.3328930E-02	9.2845984E-02
-7.8998019E-01	1.0776727E 00	8.9986253E-02	2.3836876E-01	7.4278142E-02	1.4055055E-01
	-8.1692641E-02	1.4814067E-01	1.2849154E-04	5.9899985E-02	-1.4247626E-01
	-1.2777865E-02	-8.2406440E-02	-1.0706252E-01	-8.5943071E-02	-1.1751232E-01
1.6912609E-02	-3.1015595E-02	2.3824450E-02	-1.5784881E-01	-2.6268177E-02	-4.7900591E-02
	-2.8910685E-01	5.7008971E-02	-1.5388135E-02	-2.2013400E-02	-3.8378995E-02
	-8.8706131E-02	1.2479101E-01	-2.7915162E-02	3.7732542E-02	9.2387402E-02
9.7489821E-01	-1.3426524E 00	-2.6063593E-02	-2.7318351E-01	6.2560331E-02	-3.9377392E-01
	-2.1258447E-01	-1.6112432E-01	1.1954268E-01	-2.3562683E-02	3.5228252E-02
	-3.6828508E-02	3.8395288E-02	-6.9235032E-02	5.3097574E-02	4.6383036E-02
-6.6064712E-01	8.2243699E-01	1.6189257E-01	2.7403577E-01	-1.5393494E-02	8.1860051E-02
	1.9173233E-02	1.0054040E-01	4.7308545E-02	1.2324401E-01	2.9045958E-02
	5.6132654E-02	-1.0025593E-01	2.4883965E-02	-1.9459194E-02	-1.1748428E-01
-5.6932579E-01	6.6484282E-01	1.0150672E-01	2.0469435E-01	-2.4694135E-02	1.5910839E-01
	2.2145650E-01	7.2377210E-02	-1.3791621E-01	1.0974077E-02	-8.7318922E-02
	1.8207024E-02	4.4149354E-02	7.5536050E-02	2.9726318E-02	-2.1267959E-02
3.0695011E-01	-2.1890987E-01	2.2167549E-01	-1.5283142E-01	-5.6913821E-02	-8.4383773E-02
	3.9848688E-02	9.2222470E-02	6.9512848E-02	4.3925250E-03	-5.0693409E-02
	6.3202330E-02	6.7630111E-02	2.0454429E-02	-2.2400761E-02	-1.9805599E-02
6.1503664E-01	-7.9118466E-01	4.6204796E-02	-2.4875633E-01	2.4463810E-02	-1.6734847E-02
	8.5052497E-02	-2.6791383E-02	2.1119504E-02	-1.4287110E-01	2.4151301E-02
	-1.2807530E-02	3.9192410E-02	-2.4321649E-02	-5.0748911E-02	3.7883539E-02
-5.3020838E-01	5.5071350E-01	-1.4591597E-01	1.9977501E-01	-1.8240796E-02	2.7797223E-02
	-5.2881560E-02	-5.0813190E-02	-7.8503643E-02	-6.7719858E-02	5.4130782E-02
	7.9873100E-02	1.0058273E-02	-4.0019782E-04	4.3654472E-02	1.6215070E-02
-2.3740863E-01	3.4829430E-01	-9.9650745E-03	1.1495911E-01	2.0491811E-03	1.2144742E-01
	6.9455911E-02	4.5321309E-02	-2.6165897E-02	7.2726600E-02	2.0249698E-03
	-4.0386505E-02	-1.2215136E-01	-3.0507416E-02	-7.6822016E-03	-5.4953909E-03
4.9312425E-01	-6.9370303E-01	-1.9252207E-02	-2.3952759E-01	-3.8335705E-03	-9.6821861E-02
	2.5014324E-02	-1.2098965E-01	-1.1786451E-01	-1.1144744E-01	1.1908694E-02
	-6.5078158E-02	-5.2704451E-02	-2.4124035E-02	-3.7378758E-02	3.6065043E-02
7.0684773E-02	-4.0732607E-02	-1.4101541E-02	-5.2864687E-02	4.6894061E-02	-1.4831651E-02
	1.7618960E-02	8.2122488E-03	8.0544556E-02	9.4804004E-02	6.8968379E-02
	5.3447347E-02	6.0267167E-02	2.1587632E-02	2.5997505E-02	2.1317627E-02
-8.8532020E-02	1.0941765E-01	-1.6337585E-02	8.7368441E-02	8.0812131E-02	6.6461701E-02
	-1.3019215E-02	4.2477326E-03	1.0092433E-01	8.1276174E-02	1.6718948E-02
	-3.5094610E-02	8.2906041E-03	-8.7413716E-03	1.1464667E-02	1.2784094E-02
-2.4563411E-01	3.0675435E-01	-1.4933202E-02	8.7772384E-02	-2.1139931E-02	3.6942460E-02
	-1.3844598E-01	3.8970632E-02	-2.9389616E-03	3.1614646E-02	-1.7890825E-03
	-3.5105961E-03	5.6980787E-03	3.6205054E-02	2.6822897E-02	-1.1851303E-02
3.4782571E-01	-4.1983706E-01	-2.2902881E-02	-1.4936334E-01	-6.5937101E-02	-1.0857825E-01
	2.9148409E-03	-4.6919115E-02	-3.2959076E-02	-4.5165458E-03	-9.0508298E-02
	-8.0842400E-02	-3.1536530E-02	-1.7969288E-02	7.7460060E-03	-3.9183243E-02
4.3541495E-02	-3.8771500E-02	3.2704954E-02	2.1451890E-02	4.4577531E-03	-5.9549317E-02
	1.9846649E-02	-3.1177996E-02	1.8022725E-03	-4.7128302E-02	-2.8236945E-02
	2.1719923E-04	-8.0455095E-03	-3.6089309E-04	-3.6708921E-02	-3.7909375E-02

Table 7

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, March-April-May (0000-0400 Local Mean Time)

	ALPHA		BETA		
	3.3399999E 01		3.6923947E 00		
CH1	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
3.6083328E 01	-4.0151842E 00	2.8479543E 00	2.9534952E 00	-1.5550957E 00	-1.0106988E 00
	1.3926788E 00	-4.1194792E-01	2.0735188E 00	3.9772739E-04	5.7315539E-01
	-3.2629693E-01	-3.6414177E-01	-1.3881912E-01	-7.0196130E-02	3.9815671E-01
-2.4435225E 00	4.6043868E-01	2.0231063E 00	-2.1963283E-01	1.8091810E-01	1.1196183E 00
	-6.5303801E-01	8.2856369E-01	3.2911109E-01	-1.0824590E-01	6.3065982E-01
	-3.9554168E-01	-2.3663974E-01	6.6598969E-02	-2.4732450E-01	1.2468146E-01
-4.6108356E 00	1.4881548E 00	-1.3119674E 00	-5.1620186E-01	1.2011330E 00	9.4434541E-01
	-7.0115711E-01	4.9551133E-02	-1.3496882E 00	4.7134142E-03	-5.4451683E-01
	2.9478631E-01	2.6209686E-01	5.0757418E-02	1.2620817E-01	-2.6899523E-01
1.8835407E-01	-1.0816500E 00	-7.3499763E-01	6.8305583E-01	-9.8215858E-01	-1.7064863E 00
	3.4881685E-01	-1.3183893E 00	-4.0761608E-01	2.0403093E-01	-8.3368319E-01
	3.1356927E-01	-7.2888879E-02	5.8190379E-02	1.8217378E-01	-2.5577347E-01
1.3287508E 00	-4.5376527E 00	6.4685331E-01	-6.1202428E-01	3.9367125E-01	-8.6365588E-02
	1.0872330E-01	1.4174581E-01	1.0633568E 00	-2.3700902E-01	5.3776536E-01
	5.9416168E-03	-6.7771366E-02	1.1676501E-01	-7.2242987E-02	2.3189466E-01
7.0005543E-01	1.7627720E-02	-4.6381319E-01	-3.5431746E-02	3.0492727E-01	6.2293938E-01
	3.0252236E-02	4.7915138E-01	7.9357147E-02	-2.1844724E-02	2.5237669E-01
	-1.4753794E-01	2.1118583E-01	-1.4169673E-01	-1.0908772E-01	1.4075843E-01
-4.6155612E 00	5.0637915E 00	3.6582889E-01	1.3148331E 00	-9.6645945E-02	2.4484214E-01
	6.9257893E-03	2.7483026E-01	-3.5017377E-01	1.6267197E-01	-3.0877531E-01
	-1.7546747E-02	-1.9807194E-01	-1.5289788E-01	-4.3027034E-02	-2.5367439E-01
9.9401958E-01	-9.8030812E-01	8.9530495E-01	-4.0745654E-01	1.3011222E-01	-2.9298432E-01
	-4.1562598E-01	1.1598203E-01	1.3744226E-02	-1.2841324E-01	1.3639219E-01
	-3.4259703E-02	-5.6691378E-02	-3.6624936E-02	-1.9579343E-02	7.0204524E-03
2.1110955E 00	-2.2942152E 00	-2.8140455E-01	-7.7060459E-01	-3.7311752E-01	-5.7357816E-01
	4.3887578E-01	-3.1806417E-01	1.1125468E-01	-2.9740308E-02	1.5340782E-01
	-5.4515217E-02	2.3805070E-01	3.5233237E-02	9.4419994E-02	1.7170106E-01
-5.5048414E-01	4.7247913E-01	1.7950444E-01	1.6264696E-01	4.2580040E-02	3.6987761E-01
	-1.9870541E-02	5.6130171E-02	-1.2969061E-01	-2.0943543E-01	3.1122997E-02
	1.2186337E-01	2.1445359E-02	1.6491844E-01	2.7843285E-02	4.2895652E-02
-1.2750628E 00	2.0595378E 00	-5.1085114E-02	2.4547854E-01	-1.2579731E-01	2.4341385E-01
	-1.6841199E-01	8.3904145E-02	-1.3296776E-01	1.0853076E-01	-4.1092754E-02
	-7.9264742E-02	-3.8839881E-02	-4.5479237E-02	-3.1683099E-02	-5.3719205E-03
6.0530691E-01	-9.0100530E-01	-2.7049769E-02	-1.9209602E-01	3.1615255E-01	-5.7953658E-02
	3.0469750E-01	-7.1157196E-02	6.3169956E-02	1.9408962E-01	-1.4469922E-01
	-4.5858097E-02	-9.4062024E-02	-1.2885469E-01	3.7461312E-02	-1.0587405E-01
8.2155086E-01	-1.0165368E 00	-3.0550689E-01	-2.9075755E-01	3.4823051E-02	1.0336474E-01
	-1.2027059E-01	-5.0618621E-02	2.5472834E-03	-5.7695901E-02	2.5191878E-02
	1.6818015E-02	3.1436096E-02	6.5635905E-02	-3.6269538E-02	-1.1342455E-02
-2.8638147E-01	1.9387848E-01	-2.0953863E-01	1.0465836E-01	-9.6198443E-02	1.0130646E-01
	1.3681773E-02	-6.5961995E-02	9.4528179E-02	7.7202165E-03	5.8152561E-02
	-3.0338993E-02	7.6636164E-03	4.2115571E-02	-1.1168283E-02	3.9616865E-02
-1.1108662E-01	1.4713302E-01	-4.1695705E-02	4.7056339E-02	5.0028637E-02	-1.1944818E-01
	-1.7669495E-01	-1.1915468E-02	-2.6488804E-02	8.8948015E-02	-6.4057675E-02
	9.9936990E-02	-8.1912780E-02	-2.7814019E-02	3.1680741E-02	-2.5185907E-02
-2.5588303E-01	3.4410287E-01	-1.0942604E-02	1.4230070E-01	-1.1726022E-01	-2.0495403E-02
	1.8574686E-02	1.7564517E-02	4.1781285E-02	7.8012596E-02	3.3207992E-03
	3.1053402E-03	3.2522279E-02	-2.6345672E-04	-1.9509476E-02	-3.9938776E-02
3.7933494E-01	-5.6443210E-01	1.9976998E-01	-1.0358950E-01	1.1034382E-01	-8.1384168E-02
	-1.1065624E-02	1.0166984E-01	2.6900843E-03	-1.2563154E-01	-2.0659365E-02
	-1.2604394E-02	4.3979336E-02	6.5686211E-02	-1.3877802E-02	2.3946724E-02
-4.4044551E-04	1.8928242E-01	-6.1889287E-02	1.1537493E-01	-1.8738135E-01	-9.6603867E-02
	9.2316593E-03	8.1601490E-03	2.7530981E-02	-4.7185311E-02	3.4506391E-03
	2.9849629E-03	2.0130114E-02	-2.8916011E-02	-1.7019527E-02	1.3709625E-02
-2.6448210E-01	2.6726915E-01	1.3706841E-01	1.6074513E-01	7.6381567E-03	4.8186725E-02
	8.5155523E-02	-1.3674553E-02	1.9582591E-02	-5.7877892E-02	-8.6445457E-05
	8.3219275E-03	-6.9787362E-02	-3.4760922E-02	1.3907668E-02	2.6599016E-03
-2.1689592E-01	2.2164508E-01	4.9168355E-02	-1.2642113E-01	2.8716486E-02	6.2738492E-02
	-1.1300559E-01	1.0955088E-01	-1.3594843E-01	-1.2027848E-02	1.5722843E-02
	3.6173962E-02	4.1563615E-02	1.6748647E-02	8.6421012E-04	3.2148810E-02
4.0149407E-01	-5.4788990E-01	-8.8419120E-02	-1.4494869E-01	-2.1499488E-02	-1.2160290E-02
	1.6648635E-01	-1.3925421E-01	9.4710122E-03	-1.3830093E-02	2.7429539E-02
	-4.3067356E-02	2.8012716E-02	-2.7066251E-02	4.4485939E-02	5.1976978E-03
1.4127140E-01	-2.4244615E-01	-2.4187161E-02	-1.0293340E-01	7.3032686E-02	-2.5820896E-02
	-9.1021308E-02	-2.9324910E-02	4.6202261E-03	6.5840259E-03	2.2516069E-02
	9.9479978E-03	-5.0570745E-02	-1.6944239E-03	-1.4143357E-02	3.7404140E-03
-5.6072662E-01	7.5983726E-01	-5.3608405E-02	2.5876360E-01	-5.1328639E-03	1.8719997E-01
	4.3251127E-02	4.4717249E-02	9.4049722E-03	8.1103953E-02	3.6912827E-02
	-4.7768000E-02	1.0426827E-02	-6.8486445E-03	-3.3126070E-02	3.0336820E-03
6.8494682E-02	-1.8587448E-01	3.4942044E-02	-6.3021858E-02	5.1343026E-02	-2.5241974E-02
	-1.8592442E-02	-4.3027685E-02	-6.7747427E-03	-9.8390998E-03	-4.9928831E-02
	-6.6671117E-03	-3.9369373E-02	1.3752553E-02	1.7278093E-02	-2.5256279E-02
3.0065050E-01	-2.9945622E-01	3.4810008E-02	-1.3741664E-01	1.5658161E-02	-8.0212001E-02
	-3.6127919E-02	3.8542667E-02	2.4223492E-02	6.0524301E-02	5.3194516E-03
	-1.9299897E-02	4.1223183E-02	-1.3316368E-02	-1.0818966E-02	-2.5256844E-02
5.9711388E-02	-4.4724445E-02	1.2167345E-03	4.4334307E-02	-5.9073646E-02	-4.2089843E-02
	4.8417040E-02	-7.3662791E-02	5.1750429E-02	-1.5185686E-02	-8.5850182E-03
	1.5124835E-03	9.3310599E-03	2.3464907E-02	1.7595902E-02	-3.3733068E-03
-4.5575115E-01	5.6908754E-01	1.0417206E-02	1.0375598E-01	-2.3751343E-02	6.0350201E-02
	-8.8726816E-02	1.0577905E-01	-1.5528122E-03	-3.0012122E-03	-2.5755838E-02
	4.7084031E-02	-1.3427758E-03	5.4463896E-02	-1.7083187E-02	6.5493186E-03
4.1284547E-02	-2.6068073E-02	4.1393809E-03	2.2020731E-02	-2.2880986E-02	-1.5858933E-02
	6.5295964E-02	2.0499479E-04	-2.5965134E-02	-1.8714035E-02	-4.1441813E-04
	-2.9500133E-02	2.9163339E-02	-2.0456882E-02	4.7129546E-03	5.3874785E-03
3.6863218E-01	-4.9815444E-01	4.3044710E-03	-1.5905467E-01	2.1768394E-02	-1.1236246E-01
	-6.6646991E-03	-4.4979966E-02	-1.3616406E-02	-2.9175257E-02	-1.2449000E-02
	4.2874120E-02	-2.2107264E-02	-1.2466903E-02	9.1935028E-03	-4.5538166E-03

Table 8

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, March-April-May (0400-0800 Local Mean Time)

	ALPHA		BETA		
	2.6499998E 01		2.5146478E 00		
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
2.6837022E 01	1.7727104E-01	-5.5209942E-01	2.5691934E 00	-1.3215924E 00	-1.2495230E 00
	1.2895890E 00	-2.3352206E-01	2.3464127E 00	2.5954141E-01	6.5093772E-01
	-9.7707876E-03	-3.9539364E-01	-4.8872419E-01	-2.2031285E-01	-1.8376789E-01
3.7983336E-01	1.0978826E 00	1.3487091E 00	-5.9146513E-01	2.0116846E-01	1.0122966E 00
	-9.3018646E-01	6.6970816E-01	2.8975001E-01	-2.7493736E-01	4.7442295E-01
	-4.8503264E-01	-1.8358817E-01	7.0326604E-02	-1.7376583E-01	1.3003123E-01
-8.5619406E 00	1.9721570E 00	-9.0357156E-01	-2.8968970E-01	5.1033209E-01	1.2386703E 00
	-9.7713280E-02	-3.9228675E-01	-1.5863450E 00	-2.5452614E-01	-5.7385070E-01
	1.8150407E-01	2.6470281E-01	1.9491124E-01	2.4907562E-01	-4.6075121E-02
1.6554721E 00	-2.6797046E 00	-6.3971514E-01	7.2171048E-01	-6.6067724E-01	-1.8770736E 00
	3.5466882E-01	-8.6267760E-01	-2.0403650E-01	4.1116439E-01	-5.0957272E-01
	5.2452717E-01	-2.1979685E-02	7.3049680E-02	1.6887015E-01	-1.0096955E-01
7.7177588E-01	-2.0586255E 00	3.4792996E-02	-5.6379023E-01	3.5192174E-01	-6.8091358E-01
	-1.2040579E-01	2.8451867E-01	1.0175387E 00	-1.1388505E-01	4.8547178E-01
	-2.3759361E-01	-1.5547134E-01	5.0103179E-02	-1.9414042E-01	1.7638344E-01
-2.3676929E-01	4.2272768E-01	9.0178007E-02	4.9114843E-01	5.4164446E-01	1.0295332E 00
	3.7896836E-01	5.3638291E-01	1.1216892E-02	-2.5219394E-01	1.0532140E-01
	-2.0805486E-01	1.7731551E-01	-1.6737095E-01	-1.1048618E-01	2.2891238E-02
-2.8444372E 00	4.3214442E 00	3.0043312E-01	7.5667447E-01	-9.9688849E-02	2.7998224E-01
	-3.5172912E-01	1.2395757E-01	-3.0469127E-01	2.2935895E-01	-3.5121972E-01
	9.3363084E-02	-1.1953565E-01	-1.0552657E-01	9.7356439E-02	-1.7088306E-01
5.6466109E-01	-1.2335929E 00	7.8916209E-01	-6.0029836E-01	1.2395321E-02	-3.5763347E-01
	-3.8417922E-01	2.6097525E-02	1.7641141E-02	-3.3988409E-02	1.2166201E-01
	-6.6008863E-02	-9.7639645E-02	5.2559685E-02	6.8313018E-02	3.0261297E-02
2.1757541E 00	-2.2096366E 00	-3.5456006E-01	-5.8334354E-01	-3.9750240E-01	-5.1058800E-01
	3.5919487E-01	-2.0667221E-01	-7.1678255E-02	-1.2452943E-01	1.3480369E-01
	2.9608364E-02	2.1876236E-01	5.6604037E-02	2.6383982E-03	1.1401244E-01
-7.5260385E-01	7.4987290E-01	-5.5044942E-02	1.6929619E-01	-6.3744391E-02	4.6205906E-01
	1.2958854E-01	-1.0437980E-01	2.6937332E-02	-9.8236957E-03	5.7635700E-02
	8.7238660E-02	7.0211060E-02	7.3884175E-02	-3.6968530E-02	-2.3641677E-02
-8.0654682E-01	1.2411603E 00	5.9570700E-02	2.1741503E-01	2.4212957E-01	3.7568659E-01
	-6.1660063E-02	1.1949185E-01	-8.9351985E-02	1.3686852E-01	-9.4806236E-02
	-5.6533797E-02	-1.2133846E-01	-1.1284884E-01	-1.8469152E-02	-2.7314711E-02
1.4831386E-01	-2.5102364E-01	-1.8300749E-01	-1.4643396E-01	5.7296413E-02	-1.1667154E-01
	1.1663371E-01	-3.3851246E-02	-2.3216740E-03	1.3979205E-01	-1.3302424E-01
	-3.4995725E-02	-9.0183132E-02	-1.3797806E-01	5.4359250E-02	-2.2675276E-02
1.2010089E 00	-1.6688412E 00	-7.0340897E-02	-4.1894788E-01	6.4108140E-02	-1.3179991E-01
	-4.6295516E-02	-9.8969067E-02	1.0883690E-01	-1.2326776E-01	1.1912385E-01
	1.2377579E-02	3.1948776E-02	1.1308146E-01	-2.9377823E-04	-4.9017295E-02
-5.0200622E-01	6.9025840E-01	-2.3807822E-01	2.9835756E-01	-2.4832942E-01	-4.3638110E-02
	-1.1600673E-01	-1.8592728E-02	2.7069885E-02	-5.2009135E-03	5.5316015E-02
	5.0165558E-02	9.3268026E-02	1.0592467E-01	-3.9164487E-02	3.6804551E-02
-5.9437666E-01	6.5976644E-01	1.0503165E-01	2.3272678E-01	2.0094306E-02	3.1253929E-02
	-4.3266811E-02	7.2411835E-02	6.6129675E-02	6.6090453E-02	-5.9892966E-02
	3.1516259E-02	-2.5425620E-02	-1.0659695E-02	4.7967068E-02	2.9848400E-02
3.9357618E-01	-3.9638316E-01	2.2777588E-01	-1.0130362E-01	8.1027185E-02	-1.3080424E-01
	-3.3713776E-02	1.0485705E-02	-4.5592973E-02	-4.4860231E-02	-7.4744325E-02
	-5.1396300E-02	-5.0058326E-02	-4.8636161E-02	1.6279770E-02	-4.4252243E-02
1.9657600E-01	-2.7853912E-01	4.7575639E-02	-3.2686781E-02	1.5021350E-02	2.8521259E-02
	9.9860137E-02	2.3180644E-02	-2.3707735E-02	-7.2402173E-02	-1.6248090E-02
	-3.2243692E-02	3.6801937E-02	-2.4770067E-02	-6.2691384E-02	-6.2532731E-03
-6.9779586E-02	8.0876107E-02	-6.8824835E-02	3.6900172E-02	-3.4423469E-02	7.6297793E-02
	-3.3374915E-03	6.9889316E-03	-2.5173297E-03	-5.9856304E-02	4.4634879E-02
	4.8407419E-02	-1.2098328E-03	3.6344260E-02	-1.7618198E-02	1.8869477E-02
-4.5053722E-01	6.5946759E-01	-1.0787814E-01	9.0887460E-02	-1.6843116E-01	-4.5164006E-05
	-2.0612740E-02	-1.1457699E-02	-9.7230917E-03	8.1123803E-02	4.3517326E-02
	3.9310610E-02	-5.2936276E-03	8.2293961E-03	4.5527557E-02	2.6429895E-02
3.4836400E-01	-5.7875336E-01	6.2701375E-02	-2.6036079E-01	1.2296240E-01	4.2961116E-03
	3.6465009E-02	4.2089873E-03	-5.3366402E-02	5.7410380E-04	1.6284720E-02
	-5.2601508E-02	6.7728199E-03	-3.6700045E-02	1.5882785E-02	7.3017204F-03
1.4181788E-01	-1.4837534E-01	-1.9077286E-02	-4.6567470E-02	5.1152687E-02	4.6199530E-02
	2.5507856E-02	-2.1186755E-02	-6.0252339E-02	-1.3612251E-02	-3.0624925E-02
	-2.1273807E-02	-3.0026761E-02	-3.1845655E-02	-2.6657259E-02	-2.8497258E-02
-2.9982337E-01	4.0285638E-01	1.9276521E-02	2.1908810E-01	-9.4417530E-03	8.6451645E-02
	3.7668405E-02	1.2198136E-03	1.1175564E-01	6.9712807E-02	1.2117428E-02
	9.1340207E-03	-2.9876590E-02	2.0626344E-02	-6.9680300E-03	2.5593903E-03
-1.8958575E-02	3.8274406E-02	6.7868168E-03	1.2466896E-02	-1.8494174E-02	-4.0970944E-02
	-8.6004875E-02	-6.8135069E-03	3.0440261E-02	-1.6728007E-02	1.3237284E-02
	-2.3835458E-02	8.3291354F-03	5.1996435E-02	1.5361592E-03	8.4538226E-03
9.9315393E-03	-7.0516403E-02	-2.4768786E-02	-6.3500804E-02	-3.1858690E-02	-5.7629947E-02
	-2.2774484E-02	-3.4351083F-03	-2.3655117E-02	-1.4298490E-03	-1.2567204E-02
	2.9321931E-02	4.9745318E-02	-3.8353961E-03	2.1448425E-02	-8.8668038E-03
2.4854708E-01	-3.2800601E-01	5.8598961E-02	-1.0819218E-01	6.1308827E-02	-6.4662646E-02
	-2.8182712E-03	7.0765212E-03	-1.2855687E-03	1.1097897E-04	-4.8220800E-03
	1.0473065E-02	1.6919077E-02	-1.3607521E-02	-5.6413347E-03	-1.8932701E-02
-2.0074770E-01	3.1852165E-01	-1.9223100E-02	1.3763121E-01	-3.8699260E-02	3.1527529E-02
	1.3764458E-02	3.0341079E-02	2.2369251E-02	-1.4611762E-02	-1.3191347E-02
	-1.1588814E-02	-2.1069285E-02	1.5587515E-02	-2.5785203E-02	8.8104117E-03
-6.6283671E-02	5.0931290E-02	-2.2374828F-02	3.9248924E-02	3.0099536E-02	5.4752294E-02
	2.1363212E-02	2.4609919E-03	6.7656581E-03	-2.8139257E-02	-6.5874579E-03
	-4.5404827E-03	3.2462353F-03	-3.0573771E-03	-1.7701923E-03	2.4593296E-02
1.6149127E-01	-2.1864283E-01	2.5190099E-04	-1.1287481E-01	1.3064406E-02	-5.5587914E-02
	-2.3781647E-02	-2.4436329E-02	-5.8636039E-02	-3.4426132E-03	4.4898346E-03
	3.3728025E-03	1.0110640E-02	-1.9491505E-02	5.2447027E-03	-8.3931394E-03
2.3830264F-04	4.2845939E-03	6.2883890E-05	-9.1073582E-03	-2.5002312E-02	-6.7622048E-03
	2.6250944E-02	7.7023414E-03	3.2903751E-03	3.2591668E-02	1.1216613E-02
	2.5849686E-02	-3.0232113E-03	-1.2302407E-02	2.0058032E-02	-1.1782347E-03

Table 9

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, March-April-May (0800-1200 Local Mean Time)

	ALPHA	BETA		
	1.2759999E 01	2.7374650E 00		
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS			
1.5077104E 01	-2.7885809E 00	-4.0877750E 00	4.2905725E 00	1.3840668E-01	-3.2524407E 00
	1.2706646E 00	-1.1497690E 00	3.3888932E 00	7.3806140E-01	2.3203610E 00
	6.7439585E-01	4.8508132E-01	5.5907403E-02	-1.9916748E-01	-3.0189241E-02
-2.5643069E 00	2.7657644E 00	-1.2929869E 00	-3.3851604E 00	-3.1576568E-01	2.2200689E 00
	2.1933158E-01	1.0407674E-01	3.9823775E-01	-7.9071828E-01	3.5522732E-01
	-6.1457149E-01	-7.3226492E-02	-2.9318585E-01	-2.7907412E-01	-1.6362346E-01
-1.0020229E 01	7.4033052E 00	-1.8851078E 00	1.3730186E 00	-4.1114467E-01	2.5125892E 00
	-1.4586186E 00	2.9560833E-01	-2.2445900E 00	-1.0703028E-01	-1.3526007E 00
	1.8362848E-01	1.6156713E-02	2.6873159E-01	2.5151170E-01	-6.5614552E-02
2.9517547E 00	-3.5416341E 00	4.7449774E-01	-9.1027510E-01	-8.6414087E-01	-3.4642295E 00
	-2.8664393E-02	-9.1538270E-01	-3.9752957E-01	3.1742240E-01	-5.5790033E-01
	1.5274036E-01	-1.5407694E-01	-7.3028182E-02	3.1214269E-01	-1.4962710E-01
4.6279945E 00	-4.4710424E 00	3.6689100E-01	-7.0821248E-01	6.1270243E-01	-9.9053948E-01
	1.0419606E 00	5.3253869E-02	1.5438302E 00	-1.1922307E-01	1.0521986E 00
	-1.6131684E-01	1.7791536E-02	1.4321731E-01	-6.7098254E-02	4.3494222E-01
-1.0454412E 00	2.0180083E 00	-7.2245133E-01	9.3925147E-01	4.9702327E-01	1.4455462E 00
	3.7454972E-01	2.1593351E-01	4.0364915E-02	-1.2163862E-01	2.7676507E-01
	8.6923265E-02	2.7466726E-01	-1.1293699E-02	-2.9499469E-01	-1.7786507E-01
-5.0379125E 00	6.0075886E 00	-3.1487307E-02	1.0169683E 00	-1.7019378E-01	7.8761290E-01
	-7.1971794E-01	1.9974810E-01	-8.9126281E-01	1.1777080E-01	-8.9520971E-01
	-1.3593224E-01	-3.0059626E-01	-3.0762332E-01	8.6482333E-02	-2.6425746E-01
1.2304288E 00	-1.8731830E 00	7.2697756E-01	-6.4254199E-01	-4.2044934E-02	-8.9884038E-01
	-6.9752073E-01	9.4382720E-02	9.7980064E-02	2.7660776E-01	9.4293529E-02
	5.2143409E-02	-9.9840921E-02	6.6958584E-02	1.4347098E-01	6.6383147E-02
5.5367864E 00	-6.4127674E 00	-4.7814816E-01	-1.7151064E 00	-1.2260300E-01	-9.0913780E-01
	7.7673010E-01	-5.4546578E-01	4.7229137E-01	-3.4740339E-01	3.2473960E-01
	2.5260895E-02	2.1061334E-01	4.0664571E-02	2.6480367E-02	3.5642638E-02
-2.3350979E 00	2.6266255E 00	-2.4803821E-01	8.1096594E-01	-9.3531007E-02	1.0458374E 00
	1.6976956E-01	2.3086678E-01	-4.1231881E-02	-1.9834256E-01	1.8484563E-01
	1.5607568E-01	1.0622963E-01	2.5410925E-01	-9.2159755E-02	1.4614280E-01
-3.3653543E 00	4.3612278E 00	2.3534814E-01	1.1129533E 00	4.7061643E-02	4.6466106E-01
	-4.4509068E-01	4.1743701E-01	-3.1987174E-01	3.3098020E-01	-1.8465940E-01
	-6.1529363E-02	-1.8054236E-01	-8.0059938E-02	5.3801838E-03	6.9738682E-02
1.3444812E 00	-1.7886662E 00	1.9546730E-01	-4.1485307E-01	1.1790080E-01	-5.4843054E-01
	5.7485938E-02	-2.5757515E-01	1.2105878E-01	2.0863174E-01	-2.5523977E-01
	-9.1270247E-02	-7.8943155E-02	-2.9385960E-01	1.1475628E-01	-2.0242204E-01
2.6479967E 00	-3.4316977E 00	-8.6384914E-02	-9.7599018E-01	1.0108011E-01	-3.1067695E-01
	1.7625602E-01	-1.7967702E-01	9.1875855E-02	-3.8522723E-01	1.6091583E-01
	-7.9028034E-02	1.6517502E-01	1.1059222E-01	-1.1960790E-01	-6.8156019E-02
-5.3597651E-01	7.4909995E-01	-7.5148634E-02	1.8338717E-01	-2.5591873E-01	1.8869217E-01
	-1.5971624E-02	-5.1032327E-04	6.9474959E-03	-1.6431153E-01	2.1845471E-01
	2.4286233E-02	7.7028443E-02	1.3208895E-01	-6.8225415E-02	1.4927604E-01
-2.3506770E 00	3.1183765E 00	4.3611588E-03	9.3681512E-01	-7.6639055E-02	3.0652089E-01
	-5.9004906E-02	1.5836188E-01	-2.8740766E-02	4.0747837E-01	-7.1473861E-02
	1.8448373E-01	-1.3352796E-01	1.3478532E-02	1.3744607E-01	8.1268831E-02
3.6593899E-01	-5.3929002E-01	6.1730595E-02	-2.1959442E-01	1.8640580E-01	-1.3107918E-01
	-2.3506003E-02	1.7398710E-02	-1.1338104E-01	1.1456176E-02	-2.0180846E-01
	-9.3671666E-02	-6.2548838E-02	-1.1085723E-01	4.3095314E-02	-1.1907870E-01
2.0452015E 00	-2.7912858E 00	1.2817434E-01	-8.4816988E-01	1.7647293E-01	-1.5751372E-01
	6.0122702E-02	-2.1685989E-02	7.9124834E-02	-2.4550691E-01	8.2694632E-02
	-1.5034174E-01	1.2406956E-01	-5.4219594E-02	-1.4254576E-01	-9.8839025E-02
-4.8898916E-01	8.4165285E-01	-1.7534585E-01	3.6015565E-01	-1.2991941E-01	-9.8091463E-04
	4.5226304E-02	-2.7188956E-02	6.4783519E-02	2.9289638E-02	6.1697497E-02
	1.1682707E-01	-1.0529538E-02	1.1020111E-01	-7.8798092E-03	1.1353363E-01
-1.5524099E 00	2.0401126E 00	-9.7377723E-02	6.1263067E-01	-2.3169032E-01	2.2225587E-01
	-6.5269529E-02	-1.3843658E-02	-5.2010366E-03	1.2876057E-01	-3.0090713E-02
	1.6815035E-01	-1.1382525E-01	6.7706731E-02	8.6527930E-02	7.9099587E-02
4.3037716E-01	-7.1907739E-01	1.7954185E-01	-3.5143240E-01	1.9642764E-01	2.9885238E-02
	-6.7707634E-02	1.0673619E-01	-1.2619452E-01	-1.4223948E-02	1.8808225E-02
	-1.5441871E-01	5.6902936E-02	-6.4950523E-02	-2.1124083E-02	-4.1752721E-02
1.1047048E 00	-1.3870687E 00	-1.4572840E-02	-3.9532886E-01	1.0335674E-01	-2.3077277E-01
	6.7628778E-02	-8.8813012E-02	1.1231541E-02	-5.7991941E-02	-6.0761732E-02
	-9.7169573E-02	8.4548141E-02	-8.8129599E-02	-8.2734073E-03	-9.3523800E-02
-2.4815199E-01	3.6240739E-01	-5.2412425E-02	2.2049189E-01	-1.4347258E-01	-3.0519801E-03
	-2.7295854E-03	-7.2406628E-02	1.2632520E-01	-1.0074058E-02	9.6812357E-03
	1.0411836E-01	-6.2859783E-02	7.1405693E-02	-1.2595079E-02	2.6585328E-02
-8.1525612E-01	1.0873380E 00	-1.9450818E-02	3.0039633E-01	-4.2420697E-02	1.6095117E-01
	-2.9555013E-02	1.1091008E-01	-4.2028755E-02	3.7730811E-02	6.5748104E-02
	1.4914090E-02	-2.8092061E-02	4.9749428E-02	-2.6385494E-02	9.2508533E-02
2.0682067E-02	-1.0944387E-01	5.2286537E-02	-7.5566554E-02	7.2695968E-02	7.8885341E-02
	4.1490784E-02	4.4167161E-02	-4.8194595E-02	1.6397670E-02	-3.2539689E-02
	-7.2527394E-03	2.9654836E-02	-4.4574339E-02	3.1798979E-02	-2.8683027E-02
7.2945628E-01	-9.2684666E-01	1.3637203E-02	-2.9948519E-01	4.6058881E-02	-1.7977596E-01
	-1.7267720E-02	-7.3585314E-02	-1.1258559E-02	-4.1240074E-02	-3.1206483E-02
	-4.9393480E-02	2.1409537E-03	-2.7394077E-02	1.3895214E-02	-6.9307548E-02
3.1752605E-02	-1.0074933E-02	-3.1087295E-02	4.3180974E-02	-5.9528143E-02	-5.9497474E-02
	-2.1625220E-02	-5.4125480E-02	4.1950231E-02	1.3943750E-02	-1.0406798E-02
	1.2541062E-02	-5.5522435E-03	-1.3734423E-02	-9.4159406E-03	8.1729978E-03
-7.4425188E-01	9.2942802E-01	-8.7841249E-03	2.9673811E-01	-3.6611730E-02	2.0844151E-01
	-1.2614906E-02	1.1234542E-01	-6.4327456E-03	2.1956929E-02	3.6387852E-02
	5.7611086E-02	-3.4570593E-03	7.5982222E-02	-3.5684472E-02	7.1702957E-02
1.3548177E-01	-1.8152402E-01	1.0140002E-02	-7.9713817E-02	3.7966273E-02	-9.1072539E-03
	4.9394265E-02	2.1077730E-03	-5.9176518E-03	-1.1861486E-02	3.1305432E-02
	-8.2673774E-03	1.5976215E-02	1.2231383E-02	3.1283258E-02	-5.9875463E-03
5.7571495E-01	-7.4125136E-01	3.3404028E-02	-2.3644897E-01	2.0427918E-02	-1.6179520E-01
	-5.4544576E-03	-1.1751950E-01	1.9459091E-03	-1.7370093E-02	-5.5760481E-02
	-2.7329045E-02	-1.9668049E-02	-8.6695492E-02	3.9131476E-02	-6.8398319E-02

Table 10

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, March-April-May (1200-1600 Local Mean Time)

	ALPHA		BETA		
	1.9899999E 01		1.6233803E 00		
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
2.9410413E 01	-1.8339423E 01	-7.6777369E-01	6.4213415E 00	1.8164857E 00	-1.1144277E 00
	1.1413201E 00	-7.9445157E-01	2.7719380E 00	-3.0528296E-01	1.2694781E 00
	-1.0044384E-01	-3.4547584E-01	-3.2219212E-01	-3.7903994E-01	4.9034500E-01
-3.5984587E 00	4.7590409E 00	6.4662139E-02	-4.2969909E 00	-1.4140429E 00	3.0579520E 00
	-8.4070446E-01	5.6525571E-01	6.0488859E-01	-5.4416257E-01	5.5772299E-01
	-3.4739273E-01	-2.5422602E-01	-9.5149796E-02	-2.0372090E-01	2.5524639E-01
-7.9501725E 00	3.7207057E 00	-3.1246058E 00	-8.2159805E-01	2.0380700E 00	1.5809237E 00
	1.8948236E-01	5.2675046E-01	-2.2479485E 00	9.2356344E-02	-9.1766555E-01
	7.1220756E-02	3.1475629E-01	1.2811469E-01	1.7481442E-01	-4.2387161E-01
5.6115223E-01	-1.0623400E 00	7.5701977E-01	1.6852174E 00	-1.5432420E 00	-3.4298947E 00
	1.3460179E-01	-1.2314319E 00	-6.0423619E-01	4.5854808E-01	-7.3167799E-01
	2.9323745E-01	-5.5709526E-02	8.1016513E-02	2.5750715E-01	-1.9517490E-01
4.4583387E 00	-5.9460172E 00	4.4894390E-01	1.7221886E-02	-3.2722620E-01	-9.1489197E-01
	-1.8023039E-01	-2.4415997E-01	1.9390108E 00	-8.6823583E-02	8.5410249E-01
	8.7851733E-02	-1.6477648E-01	1.0000320E-03	-4.1318394E-02	2.5693035E-01
3.2892956E-02	1.2528736E 00	-4.1751305E-01	1.3685755E-01	9.9767221E-01	1.3492704E 00
	2.5790989E-01	6.3558006E-01	1.0738049E-02	-1.7624773E-01	2.7819050E-01
	-1.2908159E-01	3.3211140E-01	1.1854199E-01	-1.4034508E-01	1.2736310E-01
-5.4293444E 00	6.6124261E 00	1.4900857E-01	1.3332850E 00	-1.6193945E-01	6.9799830E-01
	-1.5779489E-01	3.8676326E-01	-7.9741654E-01	4.0677207E-02	-8.2418294E-01
	-1.0899635E-02	-2.0100388E-01	-2.8529093E-01	3.0035893E-02	-1.7902030E-01
6.4121558E-01	-1.0731639E 00	8.3684778E-01	-3.3075160E-01	1.6652705F-02	-3.7856059E-01
	-3.4983950E-01	-4.3510247E-02	8.4700619E-02	-1.5801819E-02	-5.0445339E-02
	4.1347524E-02	-2.8529698E-01	-1.4631807E-01	1.9481855E-01	-3.3460689E-02
3.8444021E 00	-4.0614580E 00	-5.1960765E-01	-1.0395974E 00	-3.4350198E-01	-6.3608829E-01
	6.5222657E-01	-3.0653090E-01	1.8334374E-01	1.2257802E-01	5.6393442E-01
	3.8482424E-02	3.1266341E-01	2.8709393E-01	2.5183215E-02	1.2623873E-01
-1.2855136E 00	1.0919428E 00	-8.2353083E-02	2.0672248E-01	2.2902225E-02	7.3290564E-01
	1.6114558E-01	7.3354827E-02	7.7891895E-02	-9.4795182E-02	1.2096637E-01
	8.3512625E-02	1.2200419E-01	1.6638198E-01	-1.6069422E-01	4.5736680E-02
-2.2269252E 00	3.0566055E 00	-6.6466835E-04	5.8325524E-01	7.6049030E-03	4.0622585E-01
	-4.5428389E-01	1.1820796E-01	-1.6264677E-01	8.8160818E-02	-2.1576038E-01
	-2.7163695E-02	-2.0538789E-01	-1.0724766E-01	-6.7519323E-02	-3.8157755E-02
1.2916306E 00	-1.7343549E 00	5.6870527E-02	-3.5897714E-01	2.4451965E-01	-6.8348977E-01
	1.1638235E-01	-1.6956174E-01	-1.0201754E-02	5.1909821E-02	-2.1756455E-01
	-8.1053635E-02	-1.1621500E-01	-2.0776410E-01	9.9331186E-02	-1.5200233E-01
2.0935017E 00	-2.7789504E 00	5.6984031E-02	-7.5617344E-01	7.5211312E-03	-2.4232555E-01
	3.5638399E-03	-4.6580676E-02	1.1333059E-01	-2.1187913E-01	7.9379677E-02
	-1.3640000E-02	1.3200840E-01	5.4615116E-02	5.9909728E-02	2.5495639E-02
-9.8396790E-01	1.3121901E 00	-4.8628562E-02	4.1395066E-01	-2.5044663E-01	1.8954737E-01
	-1.8204821E-02	2.6399799E-02	1.9282453E-02	3.0643249E-02	1.6164544E-01
	-2.8551701E-02	8.7335069E-02	1.7846520E-01	-8.6182475E-02	1.1763105E-01
-1.0704415E 00	1.3730803E 00	1.7745214E-02	4.0337929E-01	1.6233715E-02	8.9851128E-02
	-8.4724053E-02	5.5474002E-03	-4.0326647E-02	6.6467110E-02	-1.4378957E-01
	7.7783067E-02	-1.0029664E-01	-3.5745127E-02	-1.4045157E-04	-3.9175383E-02
3.1283011E-01	-2.7653451E-01	-1.5127085E-02	-1.4150713E-01	3.6142472E-02	1.8572838E-02
	3.5186427E-02	2.7440760E-02	-1.4671562E-02	6.3294868E-02	-4.9533504E-02
	1.1340294E-02	6.7893271E-03	-9.6103016E-02	4.6038918E-02	-4.1684831E-02
8.5568544E-01	-1.2325552E 00	9.7695723E-02	-3.7886313E-01	1.1060565E-01	-6.3884298E-02
	9.4608009E-02	6.4725307E-02	-2.7275182E-02	-1.1087815E-01	9.5690027E-02
	-1.0725136E-01	2.4672970E-02	-1.2980268E-02	-3.2544578E-02	2.8151369E-02
-3.8293120E-01	5.8683131E-01	-9.7664160E-02	1.8108004E-01	-3.9900779E-02	1.1167934E-01
	-4.5468819E-02	6.2351186E-03	-3.4026886E-02	-1.9372532E-02	3.2228053E-02
	6.9014018E-02	-3.2296415E-02	2.0600732E-02	-3.4482008E-02	-1.8354938E-03
-9.2162892E-01	1.2543552E 00	-9.0167135E-02	4.3888322E-01	-1.4413368E-01	1.3720993E-01
	9.6568619E-02	-5.6230661E-02	5.6809417E-02	1.7056176E-01	1.1377364E-02
	8.0104975E-02	-1.3090123E-04	3.5670573E-02	3.3063293E-02	3.0131401E-02
3.2891823E-01	-5.4028291E-01	9.8564965E-02	-2.4241433E-01	9.8350081E-02	-9.6817000E-02
	-1.3337514E-01	7.3945569E-02	-1.4065439E-02	-2.9442616E-02	-1.0079546E-02
	-4.9673490E-02	4.1270133E-02	1.9597386E-02	1.6172106F-02	1.3674721E-02
5.7098553E-01	-6.9514989E-01	-2.3717632E-02	-2.0179469E-01	9.0880697E-04	-9.0313958E-02
	-9.6858442E-03	-3.5321395E-02	-1.3984006E-02	-5.5611312E-02	-3.1243446E-02
	-4.6023359E-02	4.6644066E-02	-1.0252447E-02	1.2088910E-02	-3.3444449E-02
-1.0690530E-01	1.1554035E-01	3.0511797F-03	1.0240784E-01	4.4002329E-02	-2.8348584E-02
	5.3041015E-02	-2.3478831F-02	3.2735993E-02	9.9518801E-03	-1.9819109E-02
	4.9604030E-02	-4.8281328E-02	-1.8225809E-02	-2.3740934E-03	-9.6883366E-03
-4.4584959E-01	6.6411906E-01	-1.4162043E-02	1.8117712E-01	-2.8046980E-02	1.0033961E-01
	-7.9335080E-02	7.1691666E-02	-5.7120426E-03	2.3405249E-02	1.8577377E-02
	-1.0147458E-02	-4.1663355E-02	9.1654185E-03	-4.6739604E-02	1.6716429E-02
3.1433570E-01	-4.4955400E-01	1.7951329E-03	-1.5596958E-01	-6.0231465E-02	-3.1826549E-02
	5.6931615E-02	-9.3037012E-02	2.8347737E-04	-6.1792300E-02	-9.0769552E-03
	-5.8365139E-02	2.2162445E-02	3.6327953E-03	1.3443922E-02	3.4615609E-03
5.8452283E-01	-7.9053847E-01	-1.2748185E-02	-2.7802069E-01	6.8735296E-02	-1.2595781E-01
	-3.3087148F-02	-8.0587126E-03	-4.7300125E-02	-3.9794247E-02	-8.5184882E-03
	-1.0121389E-04	2.6544607E-02	-2.2644322E-02	8.1635196E-03	-3.0634853E-02
-3.1875423E-01	4.7120108E-01	-5.5147871E-03	1.6639792E-01	-4.0962634E-02	4.7812836F-02
	2.1429553E-02	1.5437704E-02	1.2189818E-02	6.9363093E-02	2.3474187E-02
	2.8642166E-02	-7.4803028E-03	-1.5457956E-02	-4.1505855E-03	3.0179572E-03
-4.1486766E-01	5.0029445E-01	2.3776541E-02	1.4584667E-01	-1.3730051E-02	9.6270422E-02
	1.3274638E-02	2.7415238E-02	2.9318326E-02	-1.3135351E-02	-7.4349512E-03
	4.1933949E-02	-2.9778113E-02	8.9245214E-03	2.0388874E-03	2.4067912E-02
2.2865399E-01	-2.8518972E-01	-1.7039236E-02	-9.5293305E-02	1.7171176E-02	-1.3081130E-02
	-7.8781979E-03	1.0941380E-03	-1.6507187E-02	-4.1045212E-02	2.4700688E-03
	-3.995542CE-02	5.9457101E-03	5.9435330E-03	-1.2513885E-02	-8.7668816E-03
2.6694508F-01	-3.5216633E-01	8.8354304E-03	-5.7793995E-02	5.3045252E-03	-6.9959812E-02
	2.9580500E-02	-5.8653944E-02	1.7587653E-02	1.4901184E-02	8.6939036E-03
	-2.2980142E-02	6.7337841E-03	-9.2544419E-03	1.2447225E-02	-6.6677958E-03

Table 11

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, March-April-May (1600-2000 Local Mean Time)

	ALPHA	BETA			
	3.0899998E 01	2.8647887E 00			
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
3.3655301E 01	-1.4800680E 01	1.1945578E 00	4.4633414E 00	7.1640686E-01	-3.0534207E 00
	2.8267690E-01	7.8911293E-01	1.3868357E 00	4.4405131E-01	5.3817320E-01
	-6.3514909E-02	-1.1875641E-01	-3.4692622E-01	-2.2870855E-01	4.6932271E-01
-3.7369127E 00	7.6963475E 00	-1.2324036E 00	-1.2924620E 00	-2.3444017E 00	3.1356689E 00
	-1.3485549E 00	2.8017754E-01	3.6060413E-01	-3.7791713E-01	5.6440430E-01
	-5.6723449E-01	-3.1222391E-01	-1.2472185E-01	-3.2478835E-01	2.2075570E-01
-8.8518844E 00	2.5134933E 00	-1.5385187E 00	-1.4700837E 00	2.1605828E 00	9.8953122E-01
	3.5416285E-01	1.8861227E-02	-1.1264358E 00	-1.3081012E-01	-4.2968716E-01
	8.7320316E-02	2.6588999E-01	4.1377705E-01	2.1949142E-01	-2.4928645E-01
-7.7988982E-02	-6.6610621E-01	1.6060726E-01	1.0994707E 00	-1.2641278E 00	-2.2263943E 00
	-1.2703089E-01	-9.6716863E-01	-2.0381312E-01	2.0068008E-01	-8.1745745E-01
	5.9360507E-01	-1.0556415E-01	1.2146341E-01	2.8496216E-01	-2.9878950E-01
2.3213156E 00	-4.5166036E 00	-3.9424463E-01	-1.8865250E-01	-4.0887579E-01	-3.7310812E-02
	-6.5256358E-01	-1.5544716E-01	8.0511945E-01	-1.0364166E-01	4.6665025E-01
	5.1514419E-02	-1.3736331E-01	-1.3582164E-01	-1.2281313E-01	2.4022340E-01
1.0731586E 00	-1.3451573E 00	-1.6952396E-01	-2.0775809E-01	1.0492939E 00	1.7571444E-01
	7.4030024E-01	6.4520019E-01	-6.5535513E-02	-1.5802958E-02	2.4093244E-01
	-2.0684378E-01	3.0316527E-01	-1.5009544E-01	-1.9376097E-01	1.4712925E-01
-3.2602893E 00	4.8508527E 00	5.8035181F-01	1.3018411E 00	-1.8342354E-01	4.4589125E-01
	9.2020364E-02	1.7453898E-01	-1.8479805E-01	4.9005985E-02	-4.0992162E-01
	-4.5408236E-02	-1.6574817E-01	-1.1306926E-01	1.0729921E-02	-1.8805771E-01
5.9798579E-01	-9.0095376E-01	6.9068860E-01	-5.4741723E-01	3.4758304E-01	-2.7954798E-01
	-2.6946459E-01	7.3557600E-02	3.4188276E-02	1.4141399E-02	1.3699492E-01
	-1.1330230E-01	-6.8515720E-02	4.9221174E-02	1.0345742E-01	2.6205008E-02
1.7839675E 00	-1.3689194E 00	-2.2301650E-01	-4.3201803E-01	-5.0763307E-01	-3.0506360E-01
	2.9245838E-01	-2.2009994E-01	-2.6804452E-02	-6.7080979E-02	1.8013242E-01
	8.6603034E-02	1.2697092E-01	2.0013064E-02	2.8814511E-02	1.2011931E-01
-9.2634809E-01	9.5952401E-01	2.4617211E-04	1.0213357E-01	-1.7358080E-01	4.4905554E-01
	3.2227497E-02	-1.5153427E-01	-3.3408468E-02	-1.3772763E-01	1.0891043F-01
	1.3228772E-01	1.8954513E-02	1.4480240E-01	-2.4409716E-03	-1.3679083E-03
-2.5252285E-01	3.9224718E-01	1.2974957E-02	-6.5867572E-03	1.9396943E-01	-5.5094082E-03
	-1.4305426E-02	1.0755182E-01	-8.4662263E-02	1.0218569E-01	-9.9037288E-02
	-1.2235088E-01	-4.7063192E-02	-3.1522965E-02	-1.0807606E-02	-5.5212905E-02
-8.4665514E-02	-1.3277609E-02	-5.8445466E-02	1.0737698E-01	1.3641668E-01	1.8844600E-02
	8.5948244E-02	-4.3109115E-02	1.0748115E-01	1.3530882E-01	-1.8893485E-01
	-3.2861769E-02	-6.1781618E-02	-1.4813945E-01	1.1586890E-02	-6.0943276E-02
7.8227343E-01	-1.2469518E 00	-1.9611813E-01	-3.1690700E-01	1.6419537E-01	-6.7914014E-04
	-5.3221639E-02	-1.5625957E-02	4.3092750E-02	-2.0247464E-02	7.6009932E-02
	4.0395311E-02	6.9914815E-02	8.9700893E-02	-1.2895795E-02	1.0764912E-02
-2.4669921E-01	3.7481934E-01	-1.4575369E-01	1.3294326E-01	-1.3490533E-01	-4.0747585E-02
	-9.3831056E-02	9.6167283F-03	-1.4630122E-02	-3.4747923E-02	2.7424123E-02
	2.0938703E-02	1.1294303E-02	5.3679749E-02	-1.9191740E-02	3.7880682E-02
-3.2036390E-01	3.5418482E-01	3.5858116E-02	1.7762592E-01	-3.2972114E-03	-1.2747241E-02
	-1.7921411E-02	-1.7325446E-02	7.3489543E-02	3.7976183E-02	5.9375116E-03
	5.3906622E-02	-5.2237344E-02	9.9100275E-03	3.4260055E-02	2.0885006E-02
2.0615432E-01	-1.8708570F-01	2.1003821E-02	-9.2630036E-02	4.7776067E-02	-5.5171084E-02
	-1.2076182E-02	4.6938081E-02	-1.1170936E-02	3.5556840E-02	-2.1207509E-02
	-2.4695767E-02	1.5645107E-03	-2.9131770E-02	-8.8085725E-03	-2.5655831E-02
-3.0515907E-03	1.0372025E-01	1.5494838E-01	1.4068435E-02	-7.1711214E-02	5.7728915E-02
	-2.6639588E-02	3.0095919E-02	-1.9068156E-02	-6.3681119E-02	-2.7615502E-02
	-3.7268867E-02	1.8909168E-02	-3.6129214E-02	-3.5315933E-02	-2.8880809E-02
1.8745130E-01	-1.6625168E-01	6.2080126E-03	-5.8351150E-02	-7.3356364E-02	-8.6416950E-02
	2.7104254E-02	-2.2432605E-02	-2.4033471E-02	-5.2149596E-02	3.2783211E-02
	2.2990024E-02	1.0323757E-02	1.5125315E-02	7.0692931E-03	2.4511902E-02
-1.5903161E-01	2.3616510E-01	-1.9809474E-03	5.5235831E-02	-1.0978248E-01	1.1780447E-02
	5.7499034E-02	-7.0488968F-03	-1.1424295E-02	-1.4947688F-02	1.7308895E-02
	2.1902013E-02	5.3896772E-03	-1.0300958E-02	3.4340872E-02	2.1144932E-02
-1.7217943E-01	8.8122270E-02	5.4081510E-02	1.5103115E-02	8.5628934E-02	3.9107757E-02
	-3.2920257E-02	5.9427228F-03	-6.4804904E-02	-2.3855549E-03	8.1874145E-04
	-2.6453514E-03	-2.3075326E-03	1.3860950E-02	-1.3392416E-02	-1.1731006E-02
6.3136118E-02	-8.4052849E-02	-7.1292430E-02	-2.1452085E-02	4.0322953E-02	2.5228471E-02
	8.2095997E-03	-3.5883645E-03	-2.2499709E-02	2.9427528E-02	-3.7179887E-02
	-2.4766572E-02	-1.8554124E-02	3.1754663E-03	-9.1734914E-03	-5.0219541E-04
1.8167924E-01	-2.5788172E-01	-2.7720391E-02	-5.2166096E-02	7.7357174E-02	5.7637136E-02
	6.1926723E-02	-2.4268782E-02	6.0451046E-02	-7.5219446E-03	1.9610581E-02
	-3.7999216E-02	-1.7091461E-02	-1.1938163E-02	5.4686536E-03	5.0423951E-03
-7.4520204E-02	9.2457240E-02	-4.2397159E-02	3.0493765E-02	2.3407730E-02	3.6930768E-03
	-2.1268557E-02	-1.7004195E-02	1.8572073E-02	4.6637268F-02	2.8224952E-02
	1.7970363E-02	-1.7963125E-02	-3.2064803E-03	-1.8336482E-02	-2.1533564E-02
-1.8127530E-01	1.7085311E-01	2.5105708E-02	3.0627387E-02	-4.5932881E-02	2.5335798E-02
	-4.6190396E-02	1.3115787E-02	1.3622221E-02	3.2987100E-02	1.7492141E-03
	-9.1558776E-03	5.0705733E-03	1.2930228E-02	1.2114537E-02	-7.4165259E-04
1.2863103E-01	-1.8175161E-01	2.9912563F-02	-5.2882720E-02	2.9058461E-02	-7.6727286E-02
	-2.4427787E-02	1.7583847E-02	-2.4288741E-02	1.0229821E-03	-1.4272448E-02
	-1.7850160E-02	4.3457855E-02	2.4459589E-02	1.3270391E-02	3.7451920E-03
3.6733456E-02	4.0014576E-02	1.4594053E-02	3.6972592E-02	-7.6007822E-02	-3.7622061E-02
	2.7947418E-02	6.0878935E-03	5.1799625E-02	3.7619614E-03	-6.1160845E-03
	3.5137437E-02	1.2720989F-02	-7.1745710E-04	5.1339613E-03	4.1835194E-03
-2.0834400E-02	5.2997273E-02	3.0456207E-02	-7.3183967E-03	-1.1275199E-02	-3.2639993E-03
	-4.8228198E-03	3.8165947E-03	-1.2414741E-02	-6.5975519E-02	3.2002811E-03
	-7.4816645E-03	-1.6512197E-02	-1.6262360E-02	-3.1595807E-02	6.6253349E-04
-5.3296684E-02	8.1200501F-02	-7.6995780F-03	-5.9385182E-03	2.6954263E-02	-6.2327271E-03
	1.2775910E-02	1.8410930E-02	-5.2577214E-02	-7.4349040E-03	-2.9732240E-02
	1.3075126E-02	1.0810922E-02	-1.5876814E-02	-4.3712206E-03	-6.0994667E-03
9.9621397E-02	-1.5109649E-01	-3.8815801E-03	-4.3012479E-02	-2.6116147E-03	2.0065625E-02
	2.1573532F-02	7.7368626F-04	3.0679592E-02	6.9407475E-03	1.1574931F-02
	1.4843401E-02	4.3213181E-03	1.9246680E-03	2.6838848E-02	1.2521876E-02

Table 12

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, March-April-May (2000-2400 Local Mean Time)

	ALPHA	BETA			
	3.2359998E 01	4.7746481E 00			
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
3.9019076E 01	-9.1088172E 00	3.9459513E 00	3.4058575E 00	3.8767875E-01	-1.4045141E 00
	1.8471269E 00	-8.4888231E-02	2.0824856E 00	8.6898704E-02	6.0150362E-01
	-2.9024935E-01	-3.4759721E-01	-1.2145950E-01	-6.4538355E-02	4.0981708E-01
-6.0255610E-01	-1.6619155E-02	9.7872005E-01	-2.2467570E-01	-1.8825196E-01	1.7766823E 00
	-7.8211363E-01	6.1384751E-01	3.2153656E-01	-1.5163381E-01	6.2446795E-01
	-4.0418698E-01	-2.4340711E-01	5.9230249E-02	-2.4770022E-01	1.1627446F-01
-6.0364125E 00	3.5147852E 00	-6.8675594E-01	-7.5051630E-01	1.7208132E 00	8.0351732E-01
	-4.5852706E-01	3.8076664E-02	-1.3424186E 00	-4.5262030E-03	-5.3725522E-01
	2.8661082E-01	2.6971629E-01	4.8667874E-02	1.2766499E-01	-2.6892634E-01
9.9658663E-02	-1.8474167E 00	-1.0832014E 00	6.4388463E-01	-1.9005401E 00	-1.6881284E 00
	9.3913555E-02	-1.27E2796E 00	-4.1184509E-01	2.1550963E-01	-8.4661875E-01
	3.1902556E-01	-8.0792061E-02	6.1104573E-02	1.7925283E-01	-2.5421550E-01
2.2466242E 00	-5.8454416E 00	5.9464377E-01	-9.0934322E-01	4.0682596E-01	8.3436378E-02
	7.1945925E-02	2.0114121E-01	1.0620999E 00	-2.1850049E-01	5.3812653E-01
	1.5857860E-02	-6.8538815E-02	1.2278973E-01	-7.2232859E-02	2.3454086E-01
6.0528861E-01	1.9946265E-02	-4.6664116E-01	5.5120568E-03	6.6679559E-01	4.5985553E-01
	2.2700839E-01	5.3131866E-01	8.2568421E-02	-1.1015605E-02	2.5670247E-01
	-1.4513259E-01	2.1543874E-01	-1.3997407E-01	-1.0759967E-01	1.4273275E-01
-4.8771489E 00	5.4206095E 00	3.7107114E-01	1.5185899E 00	-2.9681139E-01	2.8907879E-01
	-1.2740387E-01	2.0337801E-01	-3.5255194E-01	1.4555245E-01	-3.1100675E-01
	-2.3567813E-02	-2.0084193E-01	-1.5737237E-01	-4.3907778E-02	-2.5673234E-01
9.3754032E-01	-9.4892261E-01	8.9169068E-01	-3.8762652E-01	2.0525705E-01	-3.0607409E-01
	-4.1080956E-01	1.1556639E-01	1.3513024E-02	-1.2869011E-01	1.3750826E-01
	-3.4505234E-02	-5.6426876E-02	-3.6807929E-02	-1.9344144E-02	6.9775712E-03
2.0806698F 00	-2.2538388E 00	-2.7685832E-01	-7.4572746E-01	-4.2768388E-01	-5.8430256E-01
	4.3741912E-01	-3.2072269E-01	1.1148350E-01	-3.0541394E-02	1.5258723E-01
	-5.4934202E-02	2.3789968F-01	3.4921174E-02	9.4251657E-02	1.7156397E-01
-5.7639553E-01	4.8756728E-01	1.7665983E-01	1.7111534E-01	7.2709394E-02	3.6495754E-01
	-1.8610149E-02	5.5620064F-02	-1.2980777E-01	-2.0962994E-01	3.1572841E-02
	1.2173476E-01	2.1535289E-02	1.6482513E-01	2.7937514E-02	4.2864506E-02
-1.2898103E 00	2.0771766E 00	-4.7539850E-02	2.5491113E-01	-1.5065889E-01	2.3914459E-01
	-1.6859999E-01	8.2849298E-02	-1.3285319E-01	1.0820833E-01	-4.1465209E-02
	-7.9435995E-02	-3.8902293E-02	-4.5602862E-02	-3.1761020E-02	-5.4255170E-03
5.9162418E-01	-8.9238063E-01	-2.9379984E-02	-1.8784267E-01	3.3143143E-01	-6.0438831E-02
	3.0526055E-01	-7.1462610F-02	6.3103613E-02	1.9397756E-01	-1.4447174E-01
	-4.5969605E-02	-9.4020809E-02	-1.2890496E-01	3.7509761E-02	-1.0589146E-01
8.1232423E-01	-1.0065572E 00	-3.0258652E-01	-2.8626727E-01	2.1336142E-02	1.0117672E-01
	-1.2054843E-01	-5.1145922E-02	2.6162058E-03	-5.7860633E-02	2.4990792E-02
	1.6728513E-02	3.1406393E-02	6.5573722E-02	-3.6312657E-02	-1.1368814E-02
-2.9424824E-01	1.9942436E-01	-2.1150706E-01	1.0698748E-01	-8.7470888E-02	9.9895794E-02
	1.3976803E-02	-6.6153789E-02	9.4485896E-02	7.6505700E-03	5.8281866E-02
	-3.0382912E-02	7.6844896E-03	4.2085856E-02	-1.1140046E-02	3.9606415E-02
-1.1756165E-01	1.5359256E-01	-3.9208470E-02	4.9403738E-02	4.2031385E-02	-1.2072363E-01
	-1.7682640E-01	-1.2207473E-02	-2.6442742E-02	8.8853778E-02	-6.4176093E-02
	9.9884067E-02	-8.1927184E-02	-2.7849016E-02	3.1654510E-02	-2.5200216E-02
-2.6062659E-01	3.4795726E-01	-1.2642740E-02	1.4361933E-01	-1.1193071E-01	-2.1343536E-02
	1.8738231E-02	1.7436957E-02	4.1752208E-02	7.7966528E-02	3.3992191E-03
	3.0765106E-03	3.2532990E-02	-2.8209059E-04	-1.9491825E-02	-3.9945381E-02
3.7451329E-01	-5.5989323E-01	2.0193720E-01	-1.0233850E-01	1.0537106E-01	-8.2186127E-02
	-1.1116091E-02	1.0150198E-01	2.7230694E-03	-1.2568851E-01	-2.0732417E-02
	-1.2637895E-02	4.3973023E-02	6.5665436E-02	-1.3894625E-02	2.3938698E-02
-3.3599075E-03	1.9211095E-01	-6.3382183E-02	1.1611084E-01	-1.8401161E-01	-9.7124668E-02
	9.3210140E-03	8.0709952F-03	2.7509843E-02	-4.7217376E-02	3.4997567E-03
	2.9650465E-03	2.0135223E-02	-2.8928117E-02	-1.7007972E-02	1.3705304E-02
-2.6819222E-01	2.7063811E-01	1.3898832E-01	1.6137374E-01	4.4864780E-03	4.7658192E-02
	8.5154613E-02	-1.3769473E-02	1.9607403E-02	-5.7912813E-02	-1.3222389E-04
	8.2959145E-03	-6.9788936E-02	-3.4773415E-02	1.3896552E-02	2.6555372E-03
-2.1868572E-01	2.2380719E-01	4.7840425E-02	-1.2604319E-01	3.0867152E-02	6.2422853E-02
	-1.1296211E-01	1.0948603E-01	-1.3596438E-01	-1.2050948E-02	1.5753832E-02
	3.6159799E-02	4.1565355F-02	1.6740657E-02	8.7189037E-04	3.2145918E-02
3.9858621E-01	-5.4529008E-01	-8.6696703E-02	-1.4469900E-01	-2.3482401E-02	-1.2518962E-02
	1.6651794E-01	-1.3930297E-01	9.4903792E-03	-1.3851094E-02	2.7401197E-02
	-4.3082032E-02	2.8014088E-02	-2.7073564E-02	4.4478521E-02	5.1956435E-03
1.4021222E-01	-2.4074153E-01	-2.5380768E-02	-1.0278571E-01	7.4380908E-02	-2.6001484E-02
	-9.1008288E-02	-2.9373950E-02	4.6077529E-03	6.5667347E-03	2.2535097E-02
	9.9375899E-03	-5.0571194E-02	-1.6997568E-03	-1.4138244E-02	3.7384067E-03
-5.6302834E-01	7.6190244E-01	-5.2047566E-02	2.5877186E-01	-6.3292410E-03	1.8695224E-01
	4.3304938E-02	4.4699137E-02	9.4205210E-03	8.1092298E-02	3.6896173E-02
	-4.7777819E-02	1.0430030E-02	-6.8524905E-03	-3.3130965E-02	3.0331214E-03
6.7921050E-02	-1.8449594E-01	3.3859801E-02	-6.3026056E-02	5.2140009E-02	-2.5330551E-02
	-1.8600581E-02	-4.3066191E-02	-6.7846826E-03	-9.8524269E-03	-4.9917976E-02
	-6.6749196E-03	-3.9371182E-02	1.3749024E-02	1.7281481E-02	-2.5257680E-02
2.9881969E-01	-2.9777718E-01	3.6235783E-02	-1.3756612E-01	1.5010054E-02	-8.0384576E-02
	-3.6058578E-02	3.8545558E-02	2.4236292E-02	6.0519118E-02	5.3109458E-03
	-1.9306244E-02	4.1227614E-02	-1.3317893E-02	-1.0822067E-02	-2.5256380E-02
5.9464530E-02	-4.3584442E-02	2.2819527E-04	4.4229100E-02	-5.8667813E-02	-4.2114318E-02
	4.8393664E-02	-7.3694069E-02	5.1742390E-02	-1.5196213E-02	-8.5799047E-03
	1.5065389E-03	9.3282998E-03	2.3462629E-02	1.7597971E-02	-3.3742703E-03
-4.5720987E-01	5.7047941E-01	1.1728315E-02	1.0350269E-01	-2.4007815E-02	6.0229489E-02
	-8.8646616E-02	1.0579656E-01	-1.5421683E-03	-3.0019161E-03	-2.5758585E-02
	4.7080104F-02	-1.3375403E-03	5.4463978E-02	-1.7085007E-02	6.5504720E-03
4.1257898E-02	-2.5106654E-02	3.2306062E-03	2.1848958E-02	-2.2759200E-02	-1.5838590E-02
	6.5261353E-02	1.7860081E-04	-2.5971755E-02	-1.8722611E-02	-4.1348677E-04
	-2.9504777E-02	2.9159912E-02	-2.0458308E-02	4.7140664E-03	5.3867649E-03
3.6746947E-01	-4.9698012E-01	5.5169395E-03	-1.5937494E-01	2.1796074E-02	-1.1244693E-01
	-6.5770769E-03	-4.4952290E-02	-1.3607377E-02	-2.9172763E-02	-1.2447564E-02
	4.2871925E-02	-2.2101509E-02	-1.2465706E-02	9.1926191E-03	-4.5521882E-03

Table 13

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, June-July-August (0000-0400 Local Mean Time)

	ALPHA	BETA			
	2.9059999E 01	4.0107044E 00			
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
3.7111126E 01	-1.5644945E 00	-1.6500499E 00	3.3838561E 00	-2.8557855E 00	-3.3949925E 00
	5.4197556E 00	-2.7763039E 00	2.5402979E 00	-4.0967070E-01	2.7431350E-01
	-2.2882476E-01	-1.2775472E-01	1.0771920E-01	-5.5694084E-03	-2.4552616E-01
-6.1372769E 00	4.1454179E 00	-2.4134306E 00	2.0007030E-02	-5.0517907E-01	2.2534095E 00
	-3.4173352E 00	1.7583749E 00	1.5716591E-01	8.3892392E-02	5.4981596E-01
	-4.6077684E-01	-2.5282148E-01	2.5847491E-01	-8.2595243E-02	3.3913838E-01
2.7870526E-01	-1.7401638E 00	-9.4428332E-01	-1.5280952E 00	2.2426426E 00	3.7771114E-01
	4.5970783E-01	3.8477901E-01	-1.6754947E 00	2.7678505E-01	-6.1655612E-01
	1.0768100E-01	1.1915462E-01	-1.3723300E-01	-3.5856225E-02	-1.8279821E-01
7.4087674E 00	-9.6523720E 00	7.0013551E-01	-7.9828972E-01	-2.3740338E 00	-2.2920086E 00
	-2.9654704E-03	-1.0885975E 00	2.3413225E-01	-1.9884522E-01	-1.0355409E 00
	5.7883084E-01	-3.6815566F-01	1.0487728E-01	1.7341564E-01	-4.6247997E-01
-5.7711503E 00	3.3086314E 00	-3.5055685E-01	1.7149365E 00	6.0772203E-01	1.1207822E 00
	5.8728375E-01	4.1524559E-01	1.2790770E 00	3.7912446E-02	1.0078125E 00
	2.1495560E-01	1.4363199E-01	6.9832057E-02	-1.4580688E-01	5.0985561E-01
-4.1703036E 00	6.1797007E 00	-1.2327089E 00	1.5418039E 00	7.0792015E-01	7.8172805E-01
	4.5484114E-01	-4.9155396E-01	-6.0504726E-01	-4.8707364E-03	5.8133875E-01
	-2.7403530E-01	4.9516511E-01	-3.2383961E-01	-1.2276772E-01	4.3051323E-01
-1.4405014E 00	-5.4875025E-01	8.1534399E-01	-9.3548259E-01	9.7222530E-02	-4.4437325E-01
	-1.5985109E 00	9.6178614E-04	-4.2815575E-01	-3.5725835E-01	-6.4359114E-01
	-3.3787559E-01	-4.7563464F-01	-1.2201700E-01	1.5990956E-01	-4.8582000E-01
4.7343605E 00	-4.0460432E 00	1.0919534E 00	-5.3962407E-01	4.1903567E-01	-3.3144630E-01
	9.5091765E-01	9.0299283E-01	5.4054985E-01	2.5486474E-01	-3.3548434E-02
	7.4774821E-02	8.4924766E-02	1.6232574E-01	9.5829797E-02	-1.6337670E-01
-1.7510685E 00	2.3947776E 00	-2.9562742E-02	7.6294883E-01	-9.0085794E-01	1.4521405E-01
	2.7218284E-01	4.0486989E-01	1.5240707E-01	1.9659029E-01	2.2640573E-01
	6.9958066E-02	2.9208857E-01	8.8563159E-02	-1.4460830F-01	2.1678554E-01
-1.4379348E 00	1.0188322E 00	7.0779765E-02	-6.5696920E-01	-1.4185857E-01	-1.0206721E-01
	-6.4677966E-01	-6.8226597E-01	-4.4781725E-01	-4.3126395E-01	-4.7930270E-02
	-3.9377308E-02	-3.1674628E-01	6.7413576E-02	-4.5671404F-02	3.8568108E-02
1.8634038E 00	-1.8870004E 00	-3.8488354E-01	-2.9917605E-01	-1.4106092E-02	-2.1614997E-01
	1.8123833E-01	-4.0660293E-01	-2.2277403E-01	6.9779741E-02	-2.2289084E-01
	1.2346908E-01	-3.9098510E-02	-6.7977242E-02	1.1734713E-01	-5.3528632E-02
-3.0259271E-02	-3.6675016E-01	4.9270145E-02	2.0749888E-01	7.0652347E-01	5.0397716E-01
	4.1009361E-01	4.3559081E-01	2.2112948E-01	4.3662763E-01	1.4323754E-01
	1.3568925E-01	1.8446171E-01	-1.5195663E-01	7.3720369E-02	-4.5516652E-02
-2.8562588E-01	6.8963717E-01	-1.7615004E-01	-6.2315063E-02	-2.3137608E-01	9.1486552E-02
	-2.7524129E-01	-7.4870746E-02	5.8158448E-02	-1.8500975E-01	2.4321439E-01
	-2.3312239E-01	-6.9346842E-02	-6.8176739E-02	-1.4604542E-01	2.6966653E-02
-8.7605506E-01	6.6776721E-01	9.8655713E-02	1.9634080E-01	-8.7613989E-02	5.8414747E-02
	-4.3941187E-02	-8.2990013E-02	3.4594293E-02	-1.1019073E-01	-1.3181843E-01
	-3.5768837E-02	-4.1796036E-02	1.4262375E-01	-3.6316991E-02	2.4722288E-02
1.6277111E 00	-1.5171261E 00	-2.6526587E-01	-4.1510742E-01	7.4254215E-02	-2.7759822E-01
	1.5927990E-01	-1.2035539E-01	-1.8770300E-02	1.2970983E-01	-1.9036162E-01
	1.7322092E-01	9.8393638E-02	1.2799866E-01	2.3219912E-01	-2.7495544E-02
-1.8277927E-01	-1.4545825E-01	5.5159718E-02	1.6762616E-01	-2.8740052F-01	4.3734106E-02
	-2.9097471E-01	3.2778372E-02	3.4223006E-02	-1.5575785E-02	7.7328169E-02
	-1.4362826E-01	-4.7392659F-02	-1.0009717E-01	-1.0061144E-01	-4.3565631E-02
-7.4969056E-01	1.1022223E 00	3.3191831E-01	9.2458894E-02	1.8301773E-01	6.2025309E-02
	-1.3131750E-01	2.4770633E-01	-2.4271527E-02	4.1213645E-02	1.2856113E-02
	-2.7445781E-02	-7.8678916E-03	2.6166700E-02	-1.4540088E-01	4.1526910E-02
4.1046902E-01	-3.9846926E-01	-1.5009545E-01	7.7511669E-02	-1.8877596E-01	-1.6800088E-01
	2.5906900E-01	-3.6000029E-02	5.8872871E-02	-1.2547926F-01	-1.1487827E-01
	7.1742468E-02	2.5381092E-02	6.7755347E-02	5.3883358E-02	3.7865799E-03
2.3656297E-01	-4.5936530E-01	-3.4322357E-02	-1.3932487E-01	4.4737903E-02	-1.8613749E-02
	-2.1970633E-02	-1.7621239E-01	-5.6913456E-02	-1.2154654E-01	7.1442742E-02
	6.7397861E-02	-2.8838043E-02	-4.1128986E-02	2.6572797E-02	3.9653841E-03
-6.3713742E-01	7.2610523E-01	-9.1086996E-02	2.5898259E-01	9.9497879E-02	2.1869514E-01
	-3.7110646E-02	6.5893881E-02	-3.8676397E-02	1.1043267E-01	1.6362284E-01
	-9.9247152E-03	-2.7150294E-02	-1.2690415E-01	-1.0314122E-02	2.3813041E-02
-1.6536717E-01	6.5599191E-03	2.2903889E-01	-1.0644507E-01	1.1539228E-01	6.2961687E-02
	6.3796675E-02	8.8493903E-02	3.4029767E-02	1.6466438E-02	1.8978584E-02
	-2.0185720E-02	4.9003662E-02	3.7963879E-02	1.1891007E-02	1.8315341E-02
3.6853810E-01	-1.3078000E-01	-1.4181808E-01	-1.5303437E-01	-1.5776787E-01	-2.4345936E-01
	5.4451011E-02	-8.8066796E-02	-4.9679626E-02	7.5309491E-03	-1.9938050E-01
	4.9720645E-02	-7.8031614E-03	4.3648615E-02	2.3010373E-02	-6.5748123E-02
3.6709960E-02	-1.2720390E-01	-5.7324939E-02	1.2463222E-01	-3.0865877E-02	1.4239552E-01
	3.5771892E-02	-3.6120908E-03	1.4266529E-02	-9.5471684E-02	6.5581974E-02
	-7.4797576E-02	-3.5854858E-02	8.9955337E-05	-3.8701330E-02	2.5510165E-02
-2.1394800E-01	2.2401798E-01	1.6227498E-01	-9.5725091E-02	1.5099725E-01	5.9248247E-02
	-1.3568491E-01	8.3362772E-02	-1.2888168E-02	1.0261156E-01	6.7091810E-02
	-4.1379620E-02	6.3824896E-03	6.3441873E-02	4.8277141E-03	9.1092910E-02
5.0504703E-02	-8.3671167E-02	-6.3881729E-02	4.2599310E-02	-4.8649454E-02	-8.2344592E-02
	8.8021784E-03	-6.6494942E-02	5.3185838E-02	8.6223252E-02	-8.3430346E-02
	1.2371834E-02	3.3858048E-03	-5.8382573E-02	6.9437518E-02	-1.0068235E-01
2.5087290E-01	-2.5208757E-01	1.3348026E-02	-1.4602304E-01	3.1957261E-02	-6.4297494E-02
	1.5139598E-02	-7.3420419E-02	-3.3389659E-03	-7.4334592E-02	1.8184607E-02
	1.5168737E-02	3.0265363E-02	-3.0406218E-02	-1.7963787E-02	-6.6473262E-02
-2.9556354E-01	3.3468183E-01	-4.2776840E-02	1.5812097E-01	-2.9476421E-02	1.6241636E-01
	-5.7490387E-05	1.1015445E-01	2.5529983E-02	4.3557474E-03	5.6092772E-02
	-1.9997304E-02	1.7792906E-02	3.1215895E-02	-5.9247473E-02	7.1148978E-02
1.0178880E-01	-1.6960528E-01	2.1763491E-02	-9.0471640E-02	1.3662890E-02	-9.3389975E-02
	-3.0880613E-02	-5.2123222E-02	-4.5794585E-02	-4.6015319E-02	5.3265485E-04
	-5.4141960E-03	-4.7485109E-04	1.3076363E-02	5.3685784E-03	4.0050275E-02
-5.3431617E-02	1.7655659E-01	-1.0946956E-02	5.0666993E-02	6.2063392E-03	-8.6481308E-02
	3.1046811E-02	9.5927472E-03	1.5529018E-03	9.5226799E-02	-9.7894784E-02
	4.7240466E-02	-4.5619091E-02	-3.3714629E-02	3.0795479E-02	-5.3333022E-02

Table 14

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, June-July-August (0400-0800 Local Mean Time)

	ALPHA	BETA			
	2.8499998E 01	-1.1459155E 00			
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
3.3360339E 01	-1.8178342E 00	-4.2189551E 00	-2.5183998E-02	-1.9755106E-01	-2.0579040E 00
	3.4415720E 00	-1.9843802E 00	2.9536798E 00	-4.3619335E-01	3.8995143E-01
	-3.3126122E-02	-3.3349242E-01	1.7115944E-01	-4.0384644E-01	3.8644634E-02
-7.4831681E-01	5.3072698E 00	-2.0833266E 00	-5.6755696E-01	-3.1257703E 00	3.4854623E 00
	-2.8912037E 00	1.6580497E 00	5.7227542E-02	-4.7502367E-01	7.5685051E-01
	-4.4838903E-01	-1.7679515E-01	4.8306687E-01	-2.1540973E-01	3.0909951E-01
4.0712358E-02	-6.6570352E 00	-3.7656883E-01	-1.2808560E 00	1.6096950E 00	7.9542372E-01
	3.9745108E-01	2.9209194E-01	-1.7301753E 00	2.1193559E-01	-2.6583492E-01
	4.9056103E-02	2.8920630E-01	-2.7962160E-01	1.8193071E-01	-3.3512776E-01
5.8056327E 00	-5.7767153E 00	1.3222238E 00	5.4949680E-02	-1.0374007E 00	-2.3098530E 00
	7.7328715E-01	-1.3351257E 00	4.8406093E-01	1.5426425E-01	-6.8360860E-01
	2.7943311E-01	-1.9150157E-01	-2.1794635E-01	1.2245134E-01	-3.2491651E-01
-4.9206963E 00	3.1193676E 00	-8.2153177E-01	2.0954159E 00	-1.0589295E-01	3.3255749E-01
	6.0783674E-02	3.2744921E-01	9.9244316E-01	-4.1806556E-02	4.6304708E-01
	1.0425884E-01	6.1024516E-03	3.5744748E-01	-4.7293072E-03	4.1160440E-01
-2.9117322E 00	3.8659191E 00	-7.4333824E-01	9.5985579E-01	1.0391337E 00	1.8755060E-01
	2.2435593E-01	-1.5473182E-01	-7.1853439E-01	-5.3426926E-02	9.6243999E-02
	-4.2778108E-02	1.7217132E-01	-1.6466143E-01	-1.4117077E-01	1.0816744E-01
-7.5732146E-01	9.1472583E-02	5.3842001E-01	-6.3540918E-01	-3.6755430E-01	-4.7728101E-01
	-1.2046175E 00	-1.0148351E-01	-3.5528755E-01	-1.1834543E-01	-4.2042208E-01
	-1.3827051E-01	-2.2709096E-01	-1.3144815E-01	1.2792491E-02	-2.1248542E-01
2.6702775E 00	-3.5121002E 00	7.7696477E-01	-8.5662260E-01	4.9481012E-01	-2.7244002E-01
	7.3215131E-01	5.6435004E-01	4.8818146E-01	2.0028223E-01	1.4046603E-01
	-1.6432004E-02	2.0336729E-01	2.1665190E-02	1.7580293E-01	4.2528991E-02
-1.0556387E 00	2.2939341E 00	-1.2277759E-01	7.4261007E-01	-3.7390896E-01	4.0718964E-01
	3.9823808E-01	3.0155621E-01	1.5131288E-02	4.8659958E-02	1.9761323E-01
	2.5492821E-02	1.2093738E-01	-6.4596857E-02	-1.0659455E-01	7.4838864E-02
-2.4394136E 00	2.2327839E 00	4.2600640E-02	-5.2694661E-02	-8.2813364E-02	2.2452054E-01
	-7.2266199E-01	-2.4361881E-01	-4.0563235E-01	-2.0003858E-01	-8.1106439E-02
	1.8396262E-02	-2.2115168E-01	4.2796125E-02	-3.1743117E-02	-6.4769659E-02
2.8049206E 00	-2.9520525E 00	-1.6673265E-01	-8.2336122E-01	3.3071038E-01	-5.4096805E-01
	4.5306801E-01	-1.6517202E-01	3.3161015E-02	8.6914039E-02	-5.9593076E-02
	7.2266076E-02	5.1406525E-02	1.6276837E-02	1.0776029E-01	2.1871616E-02
2.6577379E-01	-5.1978965E-01	1.5113384E-01	7.4831554E-02	1.2219751E-01	4.1003304E-01
	1.4781186E-01	1.9954416E-01	2.3176258E-01	1.8784585E-01	1.3507240E-01
	-2.0022531E-02	9.7588637E-02	-9.3145967E-03	-1.0657687E-02	7.9476008E-03
-1.2708947E 00	1.6887060E 00	-1.7193623E-01	1.7302223E-01	-4.6403157E-02	3.0673553E-01
	-5.2992182E-01	-1.7745393E-01	-1.6955136E-01	-1.6307429E-02	1.2828074E-02
	-8.4727361E-02	-7.6625124E-02	-7.5052032E-03	-7.8435444E-02	1.2419665E-02
3.9386671E-01	-5.4350491E-01	-2.6953986E-01	-1.3236937E-01	-1.0446082E-01	-2.3852779E-01
	6.5439988E-02	-1.7317849E-01	4.3111831E-03	-1.0592612E-01	-7.8666484E-02
	-2.2663224E-02	-6.3129065E-02	4.4116982E-02	-2.4265264E-03	2.2567917E-02
1.1079682E 00	-1.3090488E 00	7.8378021E-02	-2.0536596E-01	2.6759679E-02	-1.0226918E-01
	9.5173154E-02	-1.6306370E-02	1.7091233E-01	2.2867964E-02	-4.9280431E-02
	8.8643197E-02	3.0068717E-02	8.1775647E-02	1.0279382E-01	-7.5116683E-02
-5.4209726E-01	7.1183111E-01	-8.1827432E-02	3.6752694E-01	-8.2438737E-02	5.4001130E-02
	-1.0524311E-01	7.8996584E-02	-2.3598518E-02	-2.8823772E-03	2.9726095E-02
	-3.2281374E-02	3.4744841E-02	-5.9399423E-02	-7.2211092E-02	1.7750377E-02
-8.6183176E-01	8.0726860E-01	1.6186243E-01	1.9613128E-01	5.2239859E-03	1.9313037E-01
	-1.7715815E-02	2.5088660E-01	-3.0678346E-02	-2.1329165E-02	2.5476310E-02
	-9.6933390E-02	2.8054202E-02	-4.1847078E-02	-8.0722793E-02	7.6475707E-03
7.5561792E-01	-6.8669007E-01	-2.6848748E-02	-2.6620599E-01	-7.7944800E-02	-3.1900546E-01
	3.0351644E-02	-1.3897367E-01	1.3513542E-02	-3.9717945E-02	-1.3531104E-01
	7.5111145E-02	-2.2529888E-02	4.4728822E-02	7.8869197E-02	-5.2824452E-02
1.3233280E-01	-3.5618989E-01	-1.4063417E-01	8.5634805E-02	-5.2798356E-02	-5.0308621E-02
	8.1163064E-02	-8.5676228E-02	5.6035102E-02	-7.5325251E-02	7.4016665E-02
	9.3104188E-02	-3.5513014E-02	1.3992614E-02	-5.8347584E-03	6.0262644E-02
-7.3199055E-01	9.1892601E-01	1.4785643E-01	2.1811080E-01	1.2476091E-01	2.6533532E-01
	1.1089719E-02	1.6028592E-01	-7.3103511E-02	4.0525150E-02	9.5487400E-02
	-8.2852590E-03	2.3503141E-02	-3.3929860E-02	-2.6883244E-02	3.8352534E-02
1.1711737E-01	-1.9045803E-01	5.5563383E-02	-1.7029206E-01	-1.5589057E-02	-7.9293134E-02
	-1.6597871E-03	-4.0342479E-03	-4.6725265E-02	1.3738444E-02	-4.3552307E-02
	-5.1232731E-02	7.5554022E-04	-5.2725289E-02	2.9948956E-02	-3.1704901E-02
3.2780944E-01	-4.3856205E-01	-5.6325332E-03	-1.2797274E-01	5.0356387E-02	-5.7146288E-02
	2.6875427E-02	-9.8138539E-02	-1.9257468E-03	1.3138079E-02	8.3192056E-03
	1.1132922E-02	-3.8943582E-02	-1.2827018E-02	5.1299396E-03	4.3234274E-03
-1.9984259E-01	3.7067136E-01	-6.6365012E-02	1.0376277E-01	-5.6810200E-02	3.7146621E-02
	-3.1433031E-02	-4.5855352E-02	-2.4567365E-03	4.4060383E-02	1.6423365E-02
	1.5447485E-03	2.1312091E-03	4.3214276E-02	4.8329592E-03	3.3943384E-02
2.1710557E-02	-1.9129244E-01	8.0279347E-02	-8.6988952E-02	6.8393995E-02	7.2699703E-02
	1.1937336E-02	5.3973955E-02	6.6077132E-02	-2.6187432E-02	3.4559662E-02
	-5.8210006E-02	5.8003996E-02	3.7892248E-02	-7.1910608E-03	-2.2881057E-02
1.9662283E-02	1.4171204E-01	3.7329834E-02	4.4572490E-03	2.6918915E-02	-5.2711427E-02
	-1.1081830E-03	-8.0878600F-03	-3.7614136E-02	4.6938502E-02	-9.6049132E-02
	-1.2249501E-02	-1.9369751E-02	-4.4166459E-02	-9.3800960E-03	-7.4967516E-02
-5.1219240E-02	-2.4466146E-02	-6.7201596F-02	1.5431273E-02	-8.6516997E-02	-1.7093275E-02
	-2.9009702E-02	-5.6877961E-03	-3.4527252E-03	2.5171430E-02	-1.8985382E-02
	1.5562605E-02	-6.1942364E-03	1.8951738E-02	1.6145740E-02	3.0111443E-02
1.3978560E-01	-1.7325410E-01	3.5676537E-02	-5.5730832E-02	6.0999214E-02	2.7156426E-02
	-9.7318422E-03	2.5700919E-02	3.0509823E-02	-4.5877905E-02	8.6116589E-02
	-9.5789033E-03	5.2853845E-02	3.6032446E-02	-1.4760730E-32	3.9897694E-02
-1.0948977E-01	1.7407720E-01	-1.7432598E-02	7.6939743E-02	-3.7860652E-02	-4.4131995E-02
	2.1465303E-02	-1.0881884E-02	-7.5829343E-04	-6.5796872E-03	-4.1940649E-02
	2.4611556E-02	-3.8171479E-02	-2.0218741E-02	-3.5463360E-03	-3.5495646E-02
-6.8714540E-02	1.2783740E-02	-2.8454161E-02	1.1236401E-02	-6.1888301E-04	3.1773399E-02
	1.8319817E-02	7.4224296E-03	-9.4039117E-03	-2.4471654E-03	-3.0473765E-02
	4.1896392E-02	-3.3160495E-02	1.0392991E-02	1.5325200E-02	-4.0056068E-03

Table 15

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, June-July-August (0800-1200 Local Mean Time)

	ALPHA	BETA			
	1.8099999E 01	3.0557748E 00			
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
6.0459191E 00	-4.1204278E 00	-1.8640725E 00	6.6186997E 00	9.6093259E-01	-4.5422516E 00
	4.3534188E 00	-2.7204699E 00	3.5114206E 00	-2.5749671E-02	4.1649943E-02
	4.5796845E-02	-3.9834646E-01	5.9278090E-02	-1.8735774E-02	7.7702113E-02
-9.0106527E 00	8.6351207E 00	-5.8612743E 00	-8.0335150E-01	-1.5779430E 00	4.2492632E 00
	-2.1159094E 00	1.2851405E 00	-2.0751065E-01	-6.6886353E-01	8.8450379E-01
	-4.7958178E-01	1.4640224E-01	3.0035943E-01	3.9503559E-02	5.2352768E-02
4.2581157E 00	-6.4775079E 00	-9.2397065E-01	-1.0031497E 00	7.9909937E-01	1.5172815E 00
	-9.2746378E-01	1.0501106E 00	-2.3515344E 00	4.9639755E-01	-6.9987320E-01
	-2.0673809E-02	6.2822993E-01	-2.2657881E-01	1.8326396E-02	-3.5103673E-01
7.8990446E 00	-6.4339418E 00	8.6603976E-01	-1.0917282E 00	-2.1895379E-01	-4.0192385E 00
	1.3798310E 00	-1.4515606E 00	9.5495760E-01	4.8890157E-01	-9.1191926E-01
	5.7772421E-01	-4.5125242E-01	-4.1418617E-02	2.3359284E-01	-4.0801896E-01
2.1726456E-01	-1.6683025E-01	-5.6549079E-01	6.5388117E-01	1.4924069F-01	4.1891904E-01
	-1.0837841E-01	3.5683972E-01	1.2723396E 00	2.2524102E-02	1.1636441E 00
	8.2281754E-02	-2.2317375E-01	2.0909324E-01	-6.3110046E-02	4.2926883E-01
-5.6374587E 00	5.9674002E 00	-1.5929956E 00	1.3214950E 00	9.9175397E-01	1.2219979E 00
	-5.9261775E-01	5.4547268E-01	-1.3514820E 00	4.0634143E-02	2.4450092E-01
	-2.9362820E-01	5.7141021E-01	-2.7548023E-01	-4.6891547E-01	3.2068014E-01
8.0814760E-01	-1.4859121E 00	1.3849321E-01	-1.1748739E 00	-5.0045817E-01	-8.1014593E-01
	-6.9662861E-01	-5.2185954E-01	-4.4781800E-01	-5.7541295E-01	-8.2221626E-01
	-8.2638935E-02	-1.7775903E-01	3.5442929E-02	9.4087064E-02	-4.1876118E-01
5.0942765E 00	-5.9768659E 00	9.5794955E-01	-1.3745023E 00	-3.4722470E-02	-6.6042773E-01
	5.9908192E-01	1.6664867E-01	9.3226124E-01	5.7808529E-02	1.8804482E-01
	3.7716857E-02	-3.1241471E-03	1.4602238E-01	3.0392514E-01	5.0543172E-02
-3.0011111E 00	4.4940973E 00	-4.7554035E-01	1.8117616E 00	2.7174207E-04	6.8762566E-01
	4.9910293E-01	4.5773321E-01	1.1416343E-01	4.8750150E-01	4.7228519E-01
	4.3606885E-02	2.3050337E-01	-1.1050856E-01	-1.4990818E-01	3.5031849E-01
-4.0952091E 00	4.1682322E 00	1.0266095E-01	7.8478838E-01	-4.3614112E-01	6.8506048E-01
	-6.7125384E-01	-2.5114805E-01	-2.9590699E-01	-4.6884605E-01	-8.0235273E-02
	-2.0407728E-02	-2.6593239E-01	9.8555505E-02	-1.7316292E-01	-2.3804810E-01
3.6630108E 00	-4.5994235E 00	-3.1104828E-02	-1.5026755E 00	9.8061941E-02	-9.3335469E-01
	1.7426711E-01	-4.8943398E-01	-1.3091503E-01	-1.6197308E-01	-3.9130161E-01
	-4.1671103E-02	-5.3595624E-02	1.7481086E-02	8.7838197E-02	-1.6692338E-01
1.1723565E 00	-1.2324752E 00	7.2628649E-02	-6.9595398E-02	3.4837868E-01	3.9445363E-02
	4.2022015E-01	2.5868385E-01	1.7359520E-01	5.3013766E-01	1.1780175E-01
	1.3353353E-01	1.6753311E-01	-9.0252284E-02	1.7807676E-01	1.9841668F-01
-3.0017695E 00	3.4024737E 00	4.8915069E-01	8.4773976E-01	-1.1652284E-01	1.0032434E 00
	-3.6340389E-01	3.9552853E-01	6.9453240E-02	4.9871436E-02	3.1724390E-01
	2.7733905E-02	-3.1213034E-02	2.8289667E-02	-4.9182363E-02	4.6630771E-02
5.3638309E-02	-5.8293588E-02	-1.1908466E-01	-3.0544026E-01	-2.8151579E-01	-3.7951115E-01
	-2.2043540E-01	-3.0329538E-01	-2.6281979E-01	-2.7953429E-01	-2.5945972E-01
	-1.5845968E-01	-9.8046392E-02	-3.7838387E-03	-1.1325197E-01	-1.2560167E-01
2.4437926E 00	-2.8661036E 00	-2.4704351E-01	-6.7067494E-01	-2.0954610E-02	-5.2295265E-01
	2.6169811E-01	-3.3540794E-01	1.3735241E-01	-4.4509228E-02	-1.8908487E-01
	1.0576092E-01	-3.7426772E-02	7.4310434E-02	7.7075308E-02	-4.8284289E-03
-8.2746981E-01	9.6988884E-01	1.3530920E-01	4.4024062E-01	7.0661487E-02	4.8316299E-01
	4.0713949E-02	2.3752747F-01	2.3851213E-01	7.5134952E-02	1.8650899E-01
	1.1062425E-01	4.0316337F-02	4.3257319E-02	2.8607998E-02	8.8618252E-02
-1.6004406E 00	1.8961762E 00	1.7370944E-01	3.4868597E-01	1.1213065E-01	2.0239356E-01
	-1.5728613E-01	2.8199105E-01	-1.3105881E-01	6.3871951E-02	7.4089889E-02
	-1.6023144E-01	1.0159433E-01	-1.4301231E-01	-2.7672224E-03	-1.7877745E-02
1.2156902E 00	-1.4432532E 00	-1.0068120E-01	-4.7941376E-01	-2.2873434E-02	-4.5670471E-01
	5.9014127E-02	-2.5679875E-01	-5.7701699E-02	-7.4232091E-02	-1.6991475E-01
	2.8120674E-02	-7.3695424E-02	-5.6211937E-02	4.8044953E-02	-1.2519413E-01
6.0790681F-01	-6.8951914E-01	-2.1370330E-01	-2.0322518E-02	-9.3238604E-02	2.7161578E-02
	4.1100598E-02	-1.7112917E-01	6.0775084E-02	-9.2048358E-02	-1.1498710E-03
	1.5131719E-01	-6.3258001E-02	9.3082671E-02	-1.5852032E-02	1.9981216E-02
-8.0998228E-01	9.8117499E-01	3.2253577E-02	2.8219529E-01	8.8558745E-02	2.2378637E-01
	-8.1230410E-02	2.4155831E-01	-4.7976701E-02	4.6109727E-02	1.9983646E-01
	-1.3705890E-01	1.0925587E-01	-7.4461078E-03	-4.7568803E-02	1.3452204E-01
5.7580608F-03	1.6321951E-02	2.0449999F-01	-1.0872006E-01	1.5776271E-02	-9.4487571E-02
	-3.5328687E-02	1.0239145E-01	-3.9405274E-03	5.4989030E-02	-3.4480820E-02
	-9.3432564E-02	-1.6809793F-02	-8.0637485E-02	1.6431838E-02	-5.0012482E-02
4.3410857F-01	-5.0942648E-01	-1.4336334F-01	-1.1478263E-01	-1.0999232E-02	-1.1622872E-01
	1.1594463E-01	-1.2876754E-01	-1.6225577E-02	2.0079114E-02	-1.4457136E-01
	1.3854033E-01	-5.8381845E-02	5.7302966E-02	1.9058526E-02	-9.8241661E-02
-9.8746862E-02	1.6787860E-01	-2.0880233E-01	1.2341696E-01	-4.1017928E-02	2.8288524E-02
	-1.1311763E-02	-7.1902809E-02	-4.9683385E-02	-7.1012754E-02	6.5538262E-02
	-3.0315710E-02	1.7118489E-02	8.6145724E-02	-8.4870615E-02	8.8035069E-02
-2.8584186E-01	2.9711174E-01	1.8081453E-01	4.8624933E-02	-1.5166423E-02	8.4315130E-02
	-9.4471849E-02	7.7627470E-02	4.3906658E-02	-6.6347366E-03	9.8462563E-02
	-1.1471466E-01	1.8509740E-02	-3.9234352E-02	-9.5252527E-03	7.6312023E-02
1.5969444E-01	-2.0118501E-01	7.2123525E-02	-9.2442622E-02	1.1654433E-01	-6.1416572E-02
	1.1019403E-01	4.5039697E-02	-1.4284035E-02	1.0758494E-01	-6.8842565E-02
	6.8704030E-02	9.9524401E-03	-3.2205927E-02	6.5055726E-02	-9.2717346E-02
-5.6828506E-02	6.3568179E-02	-6.2776287E-02	2.8339843E-02	1.1825556E-03	-8.9138267E-03
	1.5976750E-02	-9.5780749E-03	-3.6512116E-02	1.6772371E-02	-5.0626593E-02
	4.4274547E-02	-1.2387620E-02	2.5617245E-02	-2.6340851E-02	-3.1225445E-02
-5.6899697E-02	6.5341562E-03	9.4328772E-03	3.5744460E-03	-7.6122980E-02	2.1428427F-02
	-1.0468926E-01	-4.8606650E-02	1.4294089E-02	-8.7092630E-02	7.0363668E-02
	-8.5226241E-02	3.0154715E-02	-1.7910047E-02	-2.3248862E-02	8.4786463E-02
1.0966430E-01	-1.1323196E-01	2.8234617E-02	-4.3059165E-02	1.5046839E-02	-3.1308033E-02
	3.9212868E-02	-1.4397303E-02	2.7729633E-02	-1.6904618E-02	3.7400879E-03
	5.1581102E-03	6.6495339E-03	-4.0200581E-03	2.0991915F-02	-1.0318634E-02
-5.9041485E-02	9.7075435E-02	6.7509764F-02	2.7611655E-02	4.6296756E-02	2.2640890E-02
	7.1866323E-02	6.0568846F-02	1.5604932E-02	7.1033985E-02	-6.1222834E-02
	7.4684898E-02	-4.0176672F-02	2.3435715E-02	1.8206769E-02	-4.8463293E-02

Table 16

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, June-July-August (1200-1600 Local Mean Time)

	ALPHA	BETA			
	1.8599999E 01	2.9921129E 00			
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
2.0401471E 01	-6.5876991E 00	-6.2494704E 00	9.7548099E 00	3.8132017E 00	-4.2405491E 00
	3.1281424E 00	-2.7997293E 00	2.6953673E 00	-3.7834136E-01	3.0815487E-01
	2.7326802E-01	-5.3233868E-01	9.8111726E-02	2.9672340E-01	-6.2302449E-01
-1.5853868E 01	1.4073800E 01	-6.9333263E 00	-4.9164138E 00	-3.8803280E 00	4.8420838E 00
	-3.5431027E 00	3.2504189E-01	5.3965619E-02	-7.5462638E-01	5.3342298E-01
	-5.5204344E-02	-2.2354278E-01	3.3816658E-02	-5.1021510E-02	-9.8623484E-02
6.6262159E 00	-1.0808292E 01	-3.4846482E 00	-4.0315624E 00	1.0577277E 00	1.1615173E 00
	8.4976605E-01	1.4459761E 00	-1.2657492E 00	5.6769608E-01	-7.2866823E-01
	-1.3112830E-01	4.0742597E-01	-2.4899568E-02	2.6257529E-01	1.5764309E-01
9.9224012E 00	-4.5747579E 00	2.0469998E 00	7.1139258E-01	-3.0717716E-01	-3.1868315E 00
	1.0569396E 00	-8.5199533E-01	4.9570987E-01	-1.2160182E-01	-5.1165795E-01
	5.2592030E-01	-2.4782915E-01	2.6454332E-02	-2.5886633E-02	-4.9814107E-01
-3.4875978E-01	-1.6019296E 00	-2.0315991E 00	1.0963134E 00	-1.4253457E-01	6.4994633E-01
	-1.2452884E 00	5.1364813E-01	1.0946774E 00	-1.9138050E-03	9.6523547E-01
	-2.6445898E-01	-3.5537146E-02	1.6080482E-01	-3.5563881E-02	5.1550797E-01
-2.8549353E 00	2.9184021E 00	-1.5321992E 00	1.0135964E 00	6.9608129E-01	4.4302534E-01
	2.8650302E-01	1.3520713E-02	-8.8665403E-01	6.4392941E-03	1.2548409E-01
	-6.9160823E-02	4.6725610E-01	-9.1228101E-02	-1.6008878E-01	1.6019962E-01
-5.1476850E-01	6.8431926E-01	1.1070023E-02	-2.2955143E-01	-7.7705252E-01	-5.2433797E-01
	-8.0447981E-01	-4.1592018E-01	-5.6570671E-01	-2.3911904E-01	-6.1153510E-01
	1.9569653E-01	-4.0132177E-01	-5.8021141E-02	4.6210234E-02	-2.3463151E-01
4.5017342E 00	-5.3869466E 00	8.7896166E-01	-9.8358842E-01	-1.5770858E-01	-1.0318754E-01
	2.9252215E-01	4.1941026E-01	7.6772432E-01	-9.5553941E-03	1.9975094E-01
	1.9512881E-01	-9.6304619E-02	4.4169396E-02	2.2782001E-01	-1.3394215E-01
-1.2492069E 00	2.0817201E 00	-1.1561991E-02	1.1003391E 00	-8.4456468E-01	2.9049124E-01
	3.4324859E-01	2.8254463E-01	6.6130702E-03	1.6305968E-01	2.4800420E-01
	-1.5299585E-01	1.3383646E-01	-1.4321370E-01	-1.7808180E-01	2.3236134E-01
-3.1737967E 00	2.7634470E 00	2.9045794E-01	2.5907262E-01	-3.6476945E-01	3.0442918E-01
	-6.8720660E-01	-1.3955808E-01	-4.8382060E-01	-3.3656522E-01	-1.2603515E-01
	-2.2624901E-01	-8.8718951E-02	7.8910002E-02	-1.0150172E-01	3.8922413E-02
2.3995596E 00	-2.8041599E 00	-1.4624126E-01	-4.6547297E-01	2.1025000E-02	-2.5613634E-01
	2.3375656E-01	-3.8904415E-01	-1.7782686E-01	-7.9292253E-02	-2.4104490E-01
	4.9962580E-02	-4.9432877E-02	-8.6853768E-02	9.7191855E-02	-7.8531046E-02
2.9324684E-01	-6.6546983E-01	3.2017663E-01	4.9499726E-02	8.0754923E-02	3.0879706E-01
	2.7106379E-01	1.7076258E-02	1.1118807E-01	2.4476135E-01	3.4694155E-02
	8.9059868E-02	3.6411488E-03	-6.1870946E-02	-4.5469601E-02	-5.4854801E-02
-1.6182821E 00	1.8588269E 00	5.5862983E-01	3.5540206E-01	-1.3955991E-01	5.6974552E-01
	-3.9856832E-01	2.2949950E-01	7.4250667E-02	-6.9886748E-02	1.6577975E-01
	-1.7121860E-01	-4.6037747E-02	1.0518914E-01	-6.0163952E-02	1.3349204E-02
-7.7228057E-01	9.3579712E-01	-1.4847535E-01	1.2081100E-01	-3.3698736E-02	1.1916549E-02
	-4.9941022E-02	-1.6109003F-01	-1.5170221E-01	-8.0818849E-02	-7.7596942E-02
	-1.4976975E-01	-7.3094445E-03	-1.4022229E-02	-6.8178320E-02	3.5318999E-02
6.5658881E-01	-7.8922093E-01	-6.5916044E-02	-2.9158413E-01	1.7832872E-01	-1.5661076E-01
	1.4852209E-01	-1.3890713E-01	5.5261166E-02	1.9117032E-01	-4.7279176E-02
	8.9381372E-02	7.0867024E-02	2.1689821E-02	1.1703403E-01	-6.7945448E-02
-3.2005670E-01	4.4073859E-01	1.6587123E-01	4.4701761E-02	1.0828517E-01	9.9978732E-02
	-6.8546937E-02	1.7637676E-01	4.1796297E-02	1.0246170E-01	5.1707947E-02
	-7.4575833E-04	7.3259657E-02	-1.0670876E-02	-2.0410708E-02	-4.8780987E-02
-1.1695570E 00	1.4801258E 00	2.7006202E-01	1.6822403E-01	1.1019252E-01	1.9196293E-01
	-2.2720585E-02	3.0637933E-01	1.0796602E-01	1.4410736E-02	2.5437356E-02
	-2.3468163E-02	-2.0970451E-02	5.6452518E-02	-1.0119427E-01	8.1227518E-02
5.9001465E-02	3.7548095E-02	-1.2837584E-01	-9.5576030E-02	1.0394976E-01	-5.1042858E-02
	5.6611087E-03	-7.0708608E-02	7.9725341E-02	2.1341380E-03	-4.9241962E-03
	9.7511699E-02	5.0453967E-02	1.4216874E-02	7.1287193E-02	-2.5050241E-02
1.6624081E-01	-1.8256490E-01	-1.4778140E-01	-5.0919136E-02	1.0931715E-01	-2.0131661E-01
	4.2983716E-02	-1.1900475E-01	-2.6025758E-02	-3.5773550E-02	-1.2548569E-02
	4.7964644E-03	4.6731715E-02	-6.6876442E-02	6.2287120E-02	-1.0600600E-02
-4.3616342E-01	6.0914019E-01	1.0889585E-01	3.8022103E-02	1.8343325E-01	6.0110415E-02
	2.5973991E-03	2.0367154E-01	-6.1809720E-02	2.2477224E-02	7.1274404E-02
	5.0463383E-02	3.7687874E-03	-7.0015345E-03	-6.5993619E-02	6.9706825E-02
-2.1358291E-01	3.0516156E-01	2.6806588E-02	8.1922020E-02	2.6505060E-01	-1.1982234E-02
	6.0119088E-02	1.3744345E-01	2.1117591E-02	8.1947556E-02	1.1141544E-03
	5.3605840E-03	3.0447936E-02	-4.2107309E-02	1.1178787E-02	2.4783403E-02
1.0927410E-01	-5.1667933E-02	-1.0073284E-01	-3.7756605E-02	3.4741107F-02	-2.0615737E-01
	1.7141116E-01	-8.1691593E-02	6.5123339E-02	-6.0750608E-02	-8.3917565E-02
	8.5002018E-02	-5.3090867E-03	-1.6159291E-03	8.2621315E-02	-4.5989702E-02
3.1802780E-02	-9.6291461E-02	-1.3308766E-02	-5.0898949E-02	-6.2293436E-02	-7.8756773E-02
	-9.0796213E-02	-5.0715488E-02	-3.2900532E-02	-1.1128320E-01	4.0194078E-02
	-1.5756696E-02	-8.1394913E-03	8.5022517E-03	2.4992661E-03	2.6389888E-02
-5.4209564E-02	7.9736786E-03	8.4163607E-02	3.0488420E-02	1.9224255E-01	7.4097440E-03
	2.5650975E-02	3.9054332E-02	3.4260579E-03	3.9756121E-02	5.4158875E-02
	-3.0365906E-02	-1.1665775E-02	1.5862444E-03	-2.0919695E-02	3.3653636E-02
4.1770942E-02	5.6237127E-02	-1.0487102E-01	4.0018017E-02	8.2444456E-03	-7.0026562E-02
	1.6432473E-01	8.3135896E-03	-4.7816799E-03	8.8179480E-02	-3.4433664E-02
	8.1012841E-02	-3.3323942E-02	-3.3105355E-02	2.7683601E-02	-4.4242606E-02
1.2832639E-01	-2.0757762E-01	1.3712398E-03	-9.1234490E-02	-2.2585250E-02	-1.5837657E-01
	5.4149863E-02	-8.3488235E-02	-5.0699141E-02	-1.6158902E-02	-3.7287087E-02
	-5.7555473E-02	3.1458821E-02	2.2883820E-02	4.4566486E-02	-2.9730878E-02
2.2406423E-01	-3.0876521E-01	4.8100784E-02	-1.1250063E-01	-5.0091539E-02	-2.7775128E-02
	-1.3601463E-02	-1.0533202E-01	3.1903717E-02	-5.7122335E-02	3.4105943E-02
	4.9933540E-03	-2.2064914E-02	7.2159219E-02	-5.8318297E-03	1.8287338E-02
6.7887057E-02	-1.5444706E-01	3.8733066E-02	-4.0407609E-03	-5.6155707E-02	6.8796970E-02
	6.8807457E-03	-4.2964746E-02	2.9399716E-02	2.3567287E-02	2.1574106E-02
	1.2386330E-03	-3.5237743E-02	-3.1719123E-03	4.6632828E-03	-1.2611194E-02
5.6890270E-02	-6.6254184E-02	2.6829035E-02	2.2545831E-02	-1.7151827E-04	-4.0181388E-02
	5.4438044E-02	-3.9243659E-02	3.8071771E-03	6.3674418E-02	-3.7890628E-02
	-3.9517664E-02	-1.6531907E-02	-4.3120701E-03	2.2566598E-02	-3.8131804E-02

Table 17

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, June-July-August (1600-2000 Local Mean Time)

	ALPHA	BETA			
	3.0299999E 01	3.1830988E-01			
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
2.8376822E 01	-3.6612321E 00	-3.4671221E 00	7.0021800E 00	1.1036901E 00	-3.8384967E 00
	2.5944554E 00	-2.0153157E 00	2.9323645E 00	-3.0585246E-02	6.4296773E-01
	1.3649821E-01	-3.7951892E-01	-1.3326824E-02	-2.1315311E-01	-8.9759942E-03
-1.2399086E 01	1.2173339E 01	-3.0218080E 00	-1.4584183E 00	-3.9060006E 00	3.9850933E 00
	-2.9469614E 00	7.5344490E-01	1.3682038E-01	-4.0153784E-01	3.2414307E-01
	-4.5845541E-01	-1.5536314E-01	-1.0259995E-01	-7.9319417E-02	-8.9188875E-03
1.5528037E-01	-3.0694479E 00	-1.8803692E 00	-1.0097910E 00	2.8323916E 00	5.3751315E-01
	1.4103313E 00	5.6802393E-01	-1.8326765E 00	1.4403898E-01	-7.0946132E-01
	3.5988190E-02	1.6222315E-01	-1.6515845E-01	1.2179583E-01	-1.1532352E-01
8.9205563E 00	-7.0096833E 00	2.7375498E 00	2.1936103E-02	-8.3604838E-01	-2.9235695E 00
	8.0777239E-01	-6.6993096E-01	4.1717317E-01	-1.9668950E-02	-1.1030943E 00
	4.3823756E-01	-3.2383281E-01	1.7072019E-01	6.9361426E-02	-1.1316004E-01
-3.2305489E 00	-7.2987053E-01	-1.0170896E 00	5.8419007E-01	-8.8643140E-01	1.0955471E 00
	-1.2770192E 00	1.6493168E-01	1.0746053E 00	-1.3491799E-01	8.7006644E-01
	-1.2339207E-01	-3.9415188E-02	2.0690710E-01	-5.4893153E-02	3.5386921E-01
-2.6063195E 00	4.3423372E 00	-7.8492052E-01	1.0840368E 00	1.3375018E 00	4.3221040E-01
	1.8098153E-01	-2.7203591E-01	-8.6687304E-01	8.2803109E-02	6.2733436E-01
	-3.6127371E-01	1.1220727E-01	-3.1638510E-01	-1.8476364E-01	2.7269965E-01
-1.5184890E 00	5.6655274E-01	1.6457186E-01	-4.9652078E-01	-2.3570898E-01	-5.4669145E-01
	-5.3031848E-01	-2.1668668E-01	-3.4375797E-01	-2.0959720E-01	-7.1386019E-01
	-1.2411468E-01	-1.6712841E-01	-1.5575602E-01	4.2097055E-02	-3.1841739E-01
4.4361514E 00	-4.9283046E 00	9.0138144E-01	-6.6897781E-01	2.2642588E-01	6.0675750E-02
	9.7391315E-01	6.8435431E-01	6.0445063E-01	3.6713138E-02	6.8237287E-02
	1.5111969E-01	2.1718394E-01	2.4096680E-01	6.7195654E-02	-1.8012059E-01
-7.2888834E-01	2.4150263E 00	5.9642808E-02	5.1078242E-01	-7.1839167E-01	1.8877647E-01
	-6.1359144E-02	5.7972993E-01	-7.2609861E-02	2.6678858E-01	1.8107285E-01
	1.1682592E-01	1.6039928E-01	-7.4196943E-02	-6.4387314E-02	1.1829716E-01
-2.9246136E 00	1.8116260E 00	4.8883344E-02	-3.6478487E-01	2.9314677E-02	1.0893853E-02
	-5.8255137E-01	-3.9473026E-01	-3.5360279E-01	-2.2652984E-01	-1.0406134E-01
	-2.3535606E-02	-4.1232152E-02	-1.8441053E-02	1.5521028E-01	6.6253169E-03
2.9803391E 00	-2.6645865E 00	-5.2125279E-01	-7.5945790E-01	2.4400702E-01	-4.2577776E-01
	3.3809770E-01	-5.9691125E-01	-1.7575113E-01	-8.6833656E-02	-1.3718800E-02
	-1.8753391E-02	-4.5676645E-02	6.9565328E-02	4.0593917E-02	-1.1657965E-02
-8.1782477E-01	4.2357209E-01	3.8996795E-03	4.4724767E-01	1.2519107E-01	4.5372067E-01
	-4.3282338E-03	2.8079429E-01	3.5180868E-01	3.7996520E-01	7.6333191E-02
	5.1256321E-02	-9.8451335E-02	-1.0356338E-01	-7.7030899E-02	3.5407189E-02
-4.1069326E-01	1.0254553E 00	1.3892076E-01	3.8045268E-01	1.1613096E-01	2.8538672E-01
	1.1624902E-01	8.7769358E-02	4.0491618E-02	-4.9378913E-02	5.4595292E-02
	-5.7928337E-02	-2.3492160E-02	-2.5660114E-02	-3.6980043E-02	-5.7978736E-02
-1.7830095E-01	1.1142296E-01	-3.8905360E-02	-1.9995438E-01	-8.0473036E-02	-2.1593788E-01
	-1.4883138E-01	-1.7428295E-01	-1.3982202E-01	-1.3381301E-01	-6.2691134E-02
	-7.4737971E-02	2.7566804E-03	5.8668385E-02	-1.8151688E-02	6.7683866E-03
4.1081927E-01	-7.9999179E-01	1.3343419E-02	-1.3649911E-01	6.1066866E-02	1.6875274E-02
	5.3485566E-02	2.3073969E-03	1.3892964E-01	4.6649009E-02	-1.1348628E-02
	9.9286590E-02	7.2312597E-02	1.2682249E-01	7.5396295E-02	9.3493571E-02
-7.1773267E-02	5.2370868E-01	-2.2756550E-01	2.8296876E-01	-2.8258664E-01	-8.5207263E-02
	-1.0996301E-01	-2.0908382E-02	-2.4961999E-02	-1.0613614E-01	5.3782868E-03
	-3.8853005E-02	-1.7531551E-02	-2.6286911E-02	-8.6093974E-02	-5.1337682E-02
-5.1394467E-01	1.2107100E-01	3.3790872E-01	-3.6145005E-02	1.7579733E-01	5.2547325E-02
	-2.1642636E-02	1.5718135E-01	6.7110958E-02	3.5922916E-02	-2.8677367E-02
	-4.6877173E-02	-4.3204179E-02	-1.0451392E-01	-2.9450409E-02	-2.4276165E-02
9.0474132E-01	-7.3624640E-01	4.9337486E-03	-1.8107686E-01	5.2600043E-02	-1.9511244E-01
	2.1085488E-01	1.5924140E-02	-2.1383342E-02	-8.0027229E-03	-9.9880149E-02
	8.8645543E-02	6.1579028E-02	6.1619931E-02	7.5440735E-02	-1.4594723E-04
-5.0310798E-01	4.3490846E-01	-1.9632732E-01	1.5019435E-01	-1.4564449E-01	8.9164146E-02
	-8.5454677E-02	-1.0166636E-02	-2.1484990E-02	-3.7346309E-02	5.8172560E-02
	4.0405222E-02	-6.9794146E-03	3.0208293E-02	-1.5551509E-02	-6.9787555E-03
-1.8645138E-01	1.9521568E-01	5.7051444E-02	1.5577357E-02	1.2143224E-01	1.0948528E-01
	-5.5605173E-02	-5.6440682E-02	-5.8367404E-02	4.1013417E-02	1.0108867E-01
	-1.3003092E-02	-4.8291062E-03	-5.9779269E-02	2.2663066E-02	6.4524459E-02
3.5802121E-01	-3.9705378E-01	-4.3791335E-03	-1.8105376E-01	-3.4728691E-02	-1.5011813E-01
	-7.0284412E-03	-7.8675905E-03	-2.3809687E-02	1.3047274E-02	-1.4642336E-03
	-6.0489237E-02	-6.0615311E-03	-5.6695315E-02	-2.6345167E-02	-2.5815699E-02
-1.2171365E-01	4.7918085E-02	1.2639311E-01	2.4843383E-02	4.2395003E-02	1.0902251E-01
	1.0415652E-01	4.3537333E-02	6.8811349E-02	2.7820726E-02	-2.5689668E-02
	5.9487860E-02	-3.0138600E-02	5.4387918E-02	-7.0600470E-03	-2.4103675E-02
-9.0362127E-02	3.6384700E-01	-1.5242524E-01	1.5681928E-01	-1.3348883E-01	1.1702119E-02
	-5.1522608E-02	-6.2682317E-02	-6.9591397E-02	-3.4916442E-02	-1.7283337E-02
	-1.4678828E-02	4.8007895E-02	3.5007679E-02	4.5511367E-02	1.5554001E-02
3.2206202E-02	-3.0275560E-01	9.2872289E-02	-1.3041783E-01	1.0770196E-01	8.2820058E-03
	-3.9359735E-02	4.3071606E-02	2.2924796E-02	1.4214901E-02	2.9830604E-02
	-9.5808727E-02	-1.5761677E-02	-3.2042773E-02	-2.7629744E-02	1.8835419E-02
1.0103597E-01	1.1803020E-02	-2.1905188E-03	-5.6620974E-03	1.3911021E-02	-2.3132562E-02
	2.2621360E-02	-4.6432594E-02	7.7099600E-03	3.9645184E-02	-3.6066338E-02
	7.2975972E-02	-5.5111253E-02	1.6261922E-02	-1.6010661E-02	-1.3663639E-02
-4.7383140E-02	3.7462406E-02	-4.8598329E-02	2.3930317E-02	-7.5458882E-02	-4.8936394E-02
	1.2331479E-02	1.5100436E-02	3.7426715E-02	-3.2736276E-02	-5.8556244E-03
	-1.1194692E-02	5.1945563E-02	9.1380695E-04	9.1984147E-03	-4.9839363E-02
4.8843303E-02	-6.6718684E-02	8.9688202E-02	-3.7356426E-02	2.3809610E-02	2.0813089E-02
	8.9999874E-03	4.5764990E-02	1.0750084E-02	-2.0698372E-02	1.6431717E-02
	-3.5779426E-03	3.5744712E-02	2.5162008E-02	3.4597613E-03	3.3320607E-02
-9.9042383E-02	1.4687496E-01	-6.3388598E-02	8.3599356E-02	-1.2065068E-02	1.7810476E-02
	-4.7423420E-02	-2.0430471E-02	-4.1860347E-02	4.9380598E-03	3.6446030E-03
	1.3488927E-02	-2.8310842E-02	-1.6896080E-02	4.2425225E-03	1.4660457E-02
7.6433775E-03	-1.5440718E-01	3.9887869E-02	-4.7257605E-02	1.0086194E-01	1.3367838E-02
	2.9020534E-02	1.1524387E-02	2.1835054E-03	8.5795124E-03	-1.1501357E-02
	-3.6241919E-02	-2.9146469E-02	-3.3536299E-02	-9.9972616E-03	-1.6594657E-02

Table 18

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, June-July-August (2000-2400 Local Mean Time)

	ALPHA	BETA			
	2.8399999E 01	5.0929580E 00			
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
3.6170658E 01	-3.2633660E 00	-9.1593623E-01	1.6755629E 00	-2.5896493E 00	-2.8885037E 00
	2.9121908E 00	-2.5654114E 00	2.4821155E 00	-3.5275429E-01	2.9475157E-01
	-2.0323865E-01	-1.6681976E-01	1.2859057E-01	-1.0803126E-02	-2.3491884E-01
-9.3901904E 00	7.8986173E 00	-3.4978780E 00	2.1559740E 00	-3.9341907E 00	3.6890035E 00
	-3.3437923E 00	6.5311910E-01	1.6766091E-01	-1.7062263E-01	4.9548215E-01
	-5.4171753E-01	-2.6428415E-01	1.9807488E-01	-9.1529692E-02	2.9318899E-01
3.0602788E 00	-4.9376078E 00	-8.9375091E-01	-2.1695083E 00	3.0586874E 00	4.0202681E-01
	7.2138245E-01	6.5759996E-01	-1.6723704E 00	3.4859944E-01	-6.0560785E-01
	1.3790009E-01	1.2587205E-01	-1.1819261E-01	-3.2940719E-02	-1.7147770E-01
6.5842814E 00	-8.4046873E 00	8.5752296E-01	-4.4201129E-01	-1.7985827E 00	-2.9360732E 00
	1.9185852E-01	-9.8198147E-01	2.3728946E-01	-1.8238275E-01	-1.0277290E 00
	5.7718317E-01	-3.6282230E-01	1.0486746E-01	1.7537799E-01	-4.5874360E-01
-5.6873436E 00	3.2367086E 00	-1.2856471E-01	1.3085027E 00	7.4447094E-01	1.4312209E 00
	1.0374658E-01	3.7867485E-01	1.2679487E 00	3.1933613E-02	1.0131639E 00
	2.1529434E-01	1.3660096E-01	7.1012688E-02	-1.4664021E-01	5.0902386E-01
-3.3556502E 00	5.0863829E 00	-1.2423148E 00	9.3142573E-01	9.9435291E-01	5.4625668E-01
	3.3627008E-01	-2.3857803E-01	-6.0924810E-01	5.4702277E-02	5.8644150E-01
	-2.5395245E-01	4.9387805E-01	-3.0892616E-01	-1.2216514E-01	4.4119020E-01
-1.8959077E 00	6.4577289E-02	8.2364864E-01	-5.1464176E-01	-1.1172413E-01	-5.4547820E-01
	-1.0094811E 00	-6.9768795E-02	-4.1280577E-01	-3.7596948E-01	-6.5040284E-01
	-3.4594902E-01	-4.6621214E-01	-1.2816415E-01	1.6053612E-01	-4.8914905E-01
4.8154115E 00	-4.1561802E 00	1.0880913E 00	-6.2193859E-01	5.0427837E-01	-2.9796247E-01
	9.3607478E-01	9.1130265E-01	5.3979291E-01	2.5732400E-01	-3.2157016E-02
	7.6036321E-02	8.4883108E-02	1.6330428E-01	9.6053411E-02	-1.6294015E-01
-1.8425079E 00	2.5176020E 00	-2.7770573E-02	8.5462959E-01	-9.5009415E-01	1.0810014E-01
	2.7206308E-01	3.9554075E-01	1.5262935E-01	1.9383484E-01	2.2565503E-01
	6.8548638E-02	2.9196450E-01	8.7470293E-02	-1.4475551E-01	2.1629649E-01
-1.4056866E 00	9.7576094E-01	6.8187636E-02	-6.9071610E-01	-1.0370000E-01	-8.8016118E-02
	-6.4970143E-01	-6.7908569E-01	-4.4807007E-01	-4.3031117E-01	-4.7331326E-02
	-3.8880319E-02	-3.1670511E-01	6.7803034E-02	-4.5562548E-02	3.8738445E-02
1.8234549E 00	-1.8345956E 00	-3.8343372E-01	-2.5900310E-01	-3.5781093E-02	-2.3231660E-01
	1.8103415E-01	-4.1065249E-01	-2.2267607E-01	6.8585790E-02	-2.2321959E-01
	1.2285939E-01	-3.9153422E-02	-6.8452531E-02	1.1728137E-01	-5.3741564E-02
-1.4031239E-02	-3.8778569E-01	4.7260767E-02	1.9007151E-01	7.2686549E-01	5.1126472E-01
	4.0889115E-01	4.3715912E-01	2.2099972E-01	4.3709949E-01	1.4355381E-01
	1.3593708E-01	1.8448744E-01	-1.5176011E-01	7.3779728E-02	-4.5431475E-02
-3.0704116E-01	7.1673255E-01	-1.7493900E-01	-4.0838101E-02	-2.4296202E-01	8.2916207E-02
	-2.7547914E-01	-7.7014387E-02	5.8210181E-02	-1.8564014E-01	2.4304000E-01
	-2.3344334E-01	-6.9376820E-02	-6.8428677E-02	-1.4608128E-01	2.6853569E-02
-8.6691250E-01	6.5641742E-01	9.6999483E-02	1.8622781E-01	-7.5701957E-02	6.2671677E-02
	-4.4578592E-02	-8.2134773E-02	3.4517175E-02	-1.0993168E-01	-1.3163430E-01
	-3.5631444E-02	-4.1781465E-02	1.4273438E-01	-3.6281621E-02	2.4769660E-02
1.6150158E 00	-1.5017962E 00	-2.6423106E-01	-4.0241549E-01	6.7417740E-02	-2.8260695E-01
	1.5901728E-01	-1.2160741E-01	-1.8740886E-02	1.2934301E-01	-1.9046334E-01
	1.7303490E-01	9.8375013E-02	1.2785137E-01	2.3217746E-01	-2.7561890E-02
-1.7732286E-01	-1.5182613E-01	5.3745172E-02	1.6135587E-01	-2.8004462E-01	4.6410365E-02
	-2.9136110E-01	3.3260386E-02	3.4173254E-02	-1.5427859E-02	7.7441340E-02
	-1.4354837E-01	-4.7384974E-02	-1.0003137E-01	-1.0058922E-01	-4.3538069E-02
-7.5761343E-01	1.1112408E 00	3.3281741E-01	1.0038211E-01	1.7875867E-01	5.8943889E-02
	-1.3160102E-01	2.4693685E-01	-2.4254653E-02	4.0989264E-02	1.2793820E-02
	-2.7558942E-02	-7.8806711E-03	2.6076051E-02	-1.4541490E-01	4.1485928E-02
4.1379170E-01	-4.0199795E-01	-1.5133228E-01	7.3483102E-02	-1.8411716E-01	-1.6623718E-01
	2.5881475E-01	-3.5735674E-02	5.8839191E-02	-1.2539586E-01	-1.1480698E-01
	7.1789143E-02	2.5384650E-02	6.7795057E-02	5.3897735E-02	3.8025530E-03
2.3152659E-01	-4.5406545E-01	-3.3530681E-02	-1.3424863E-01	4.2016559E-02	-2.0549539E-02
	-2.2271902E-02	-1.7669461E-01	-5.6904373E-02	-1.2168618E-01	7.1403951E-02
	6.7327964E-02	-2.8847444E-02	-4.1185950E-02	2.6563397E-02	3.9395131E-03
-6.3514803E-01	7.2431650E-01	-9.2186799E-02	2.5636390E-01	1.0245045E-01	2.1989157E-01
	-3.7286700E-02	6.6021209E-02	-3.8699933E-02	1.1047555E-01	1.6366771E-01
	-9.8987817E-03	-2.7149375E-02	-1.2688078E-01	-1.0304764E-02	2.3821741E-02
-1.6852932E-01	9.5187824E-03	2.2974357E-01	-1.0318723E-01	1.1365343E-01	6.1753491E-02
	6.3481225E-02	8.8194894E-02	3.4033699E-02	1.6380675E-02	1.8954801E-02
	-2.0228179E-02	4.8996246E-02	3.7928384E-02	1.1884555E-02	1.8299115E-02
3.6964467E-01	-1.3144293E-01	-1.4280826E-01	-1.5471471E-01	-1.5594973E-01	-2.4263627E-01
	5.4325595E-02	-8.8030570E-02	-4.9696352E-02	7.5470244E-03	-1.9935317E-01
	4.9732957E-02	-7.8039774E-03	4.3661149E-02	2.3016394E-02	-6.5744303E-02
3.4829448E-02	-1.2579117E-01	-5.6691932E-02	1.2666945E-01	-3.1943612E-02	1.4167224E-01
	3.5445828E-02	-3.7881461E-03	1.4266931E-02	-9.5521361E-02	6.5568296E-02
	-7.4821700E-02	-3.5860957E-02	6.8879247E-05	-3.8705795E-02	2.5500406E-02
-2.1345245E-01	2.2411352E-01	1.6137483E-01	-9.6753324E-02	1.5203264E-01	5.9814191E-02
	-1.3577485E-01	8.3336132E-02	-1.2900065E-02	1.0260924E-01	6.7107060E-02
	-4.1376665E-02	6.3805421E-03	6.3446924E-02	4.8314379E-03	9.1093431E-02
4.9534020E-02	-8.3315346E-02	-6.3308506E-02	4.3786755E-02	-4.9264238E-02	-8.2733452E-02
	8.4693515E-03	-6.6585255E-02	5.3183705E-02	8.6198677E-02	-8.3436993E-02
	1.2360401E-02	3.3805756E-03	-5.8393705E-02	6.9434451E-02	-1.0068759E-01
2.5093129E-01	-2.5146592E-01	1.2523487E-02	-1.4658304E-01	3.2438059E-02	-6.3915526E-02
	1.5076252E-02	-7.3491496E-02	-3.3473826E-03	-7.4349925E-02	1.8191345E-02
	1.5165072E-02	3.0262693E-02	-3.0406470E-02	-1.7961726E-02	-6.6475147E-02
-2.9587164E-01	3.3429866E-01	-4.2253963E-02	1.5870146E-01	-2.9757053E-02	1.6226354E-01
	-3.9329336E-04	1.1012563E-01	2.5526021E-02	4.3490818E-03	5.6091207E-02
	-1.9999773E-02	1.7788336E-02	3.1211871E-02	-5.9249506E-02	7.1146966E-02
1.0152662E-01	-1.6861142E-01	2.1003570E-02	-9.0687231E-02	1.3743969E-02	-9.3143798E-02
	-3.0922835E-02	-5.2226011E-02	-4.5800354E-02	-4.6039953E-02	5.3318441E-04
	-5.4225766E-03	-4.7798686E-04	1.3072277E-02	5.3694450E-03	4.0046690E-02
-5.3249629E-02	1.7565043E-01	-1.0466783E-02	5.0806891E-02	6.1722919E-03	-8.6465508E-02
	3.0711776E-02	9.6088198E-03	1.5476463E-03	9.5233132E-02	-9.7892632E-02
	4.7244492E-02	-4.5623181E-02	-3.3713494E-02	3.0794232E-02	-5.3332692E-02

Table 19

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, September-October-November (0000-0400 Local Mean Time)

	ALPHA	BETA			
	2.9699999E 01	5.1566200E 00			
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
3.6845261E 01	-7.4905903E-01	-6.3473374E-01	2.6213501E 00	-1.8565908E 00	-4.1602054E-01
	3.1833168E 00	-5.2582781E-01	3.0362057E 00	2.7682065E-01	3.5836566E-01
	7.9432964E-01	-2.3930165E-01	1.1572926E-01	-4.2514659E-01	3.3297925E-01
-3.7482593E 00	2.8597986E 00	-1.2903603E 00	7.7455366E-01	-1.1681626E 00	2.5769227E 00
	-6.0444344E-02	1.0832853E 00	3.3978220E-01	-5.9810644E-02	6.8424715E-01
	-5.1260567E-01	9.6580966E-03	1.5604767E-01	2.3277655E-02	2.1980770E-02
-1.5977506E 00	-1.5927359E 00	-3.7275055E-01	-1.6692709E 00	8.1241119E-01	3.0358806E-01
	-9.6404413E-01	-3.2546377E-01	-1.7751924E 00	-6.9285281E-01	-1.3775977E-01
	-3.6701959E-01	6.1835095E-01	-3.8386000E-01	2.3752891E-01	-4.5868787E-01
1.2994042E 00	-3.6756744E 00	-4.9843065E-01	4.7908078E-01	-2.6938071E-01	-1.5724719E 00
	-2.1355404E-01	-9.1009797E-01	-7.2161227E-01	2.1070842E-01	-7.9510353E-01
	2.10E1617E-01	-4.2355179E-01	9.7512556E-03	2.1518374E-02	3.9787774E-02
-9.6497951E-01	-1.5429593E 00	8.3588294E-01	1.3972802E 00	3.7364088E-01	1.4130566E-01
	-2.9587248E-02	3.6805120E-01	9.8729963E-01	7.2603640E-01	2.7908823E-01
	4.4979126E-01	-4.4839928E-01	3.8167949E-01	-1.0450920E-01	1.9106538E-01
-4.3449554E-01	1.2144438E 00	-4.8240459E-01	2.9694148E-01	3.3228867E-01	2.5137953E-01
	1.2376376E-01	1.7987955E-01	4.1755144E-01	-2.3164949E-01	4.1617450E-01
	-2.9106984E-01	4.4538015E-01	-2.2031346E-02	1.6258208E-01	-6.0982637E-02
-1.8211890E 00	9.0906711E-01	5.6899471E-01	-4.6401820E-01	3.7184513E-01	-2.0317541E-01
	-3.0182902E-01	1.7306004E-02	-1.5723185E-01	-4.0653769E-01	-1.6004361E-01
	-4.2860587E-01	2.3270205E-01	-3.1224589E-01	-7.8500462E-02	-7.7269415E-02
1.8696766E 00	-1.5079846E 00	8.3172095E-01	-7.1878490E-01	-2.0690197E-01	-5.7482343E-01
	-2.1159430E-01	2.6862470E-01	-3.7532752E-01	2.3290358E-01	-3.0387852E-01
	2.7684902E-01	-2.9291377E-01	-3.9238721E-02	-1.3112315E-01	5.5515506E-02
-2.4857696E-01	5.4707227E-01	-9.2998046E-02	7.9057366E-02	-3.5369870E-01	3.2329250E-01
	5.9939859E-01	1.6954310E-01	-2.7164647E-02	2.3284616E-01	9.0154742E-02
	2.8408528E-01	-1.3798777E-01	3.2359496E-01	1.5603856E-02	7.8725612E-02
-1.4810403E-01	1.7073698E-01	-1.7942768E-01	-2.3722765E-01	8.3621241E-02	2.6176198E-01
	1.3617098E-01	-4.7553972E-01	2.5384966E-01	-4.5145429E-01	1.5367821E-01
	-1.0098958E-01	1.5307369E-01	-5.7539553E-02	-6.4237588E-02	-1.1775213E-01
-4.2398432E-01	8.9791460E-01	-3.0179845E-01	5.5569089E-02	-2.1541201E-01	-1.8917072E-01
	-1.2461039E-01	-1.5096322E-01	-5.5606744E-02	-9.6007307E-02	1.9448053E-03
	-2.1392255E-01	4.2681811E-02	-1.2801595E-01	6.7024124E-02	1.1479034E-01
7.4412372E-02	-7.4030632E-01	3.0428896E-01	6.6716591E-02	3.1031623E-01	1.8283859E-01
	-2.7101671E-01	3.8673127E-01	-1.7054913E-01	3.3679090E-01	-2.2296502E-02
	1.5833391E-01	-8.7058711E-02	4.3685160E-02	-3.8877705E-02	3.6645644E-02
4.2735723E-01	-3.5166955E-01	-2.6167391E-01	-1.0775913E-01	8.5672408E-02	1.1983053E-01
	5.9223514E-02	-1.3933436E-02	-9.5330037E-02	1.7304948E-01	-1.2001580E-01
	5.3403463E-02	-2.0405591E-02	2.3091666E-02	6.9350153E-02	-5.1168613E-02
-2.9886354F-01	1.1236726E-01	-1.4264666E-01	1.5985259E-01	4.3134455E-02	-1.2400371E-01
	2.1409503E-01	-3.0568838E-01	2.4102128E-01	-1.3296216E-01	9.7333704E-02
	-1.5288951E-01	1.5769760E-02	-3.3595386E-02	3.1016732E-02	-9.9247364E-02
1.3774051E-01	-4.3884990E-02	1.7070220E-02	8.1644517E-02	-9.0471650E-02	-1.1071417E-01
	-2.2296745E-01	-4.7479977E-02	1.0141204E-01	-1.4417242E-01	6.7542365E-02
	-5.0604292E-02	-2.6625123E-02	-3.2158752E-03	-5.6327556E-02	9.1401277E-03
-3.6089220E-01	4.2424747E-01	-6.1085424E-02	2.7069363E-01	-8.8759195E-02	1.4659122E-01
	4.1008526E-02	2.9272358F-01	-4.2667173E-02	2.1184364E-01	-1.7532736E-02
	1.0276922E-01	7.5965948E-02	9.4050775E-02	6.1867181E-02	9.4952178E-02
3.0720789E-01	-5.1562107E-01	2.0003955F-01	-2.7188118E-01	5.6403987E-02	-7.8366906E-02
	-1.3515629E-01	4.8929989E-02	-1.0408468E-01	-6.8430128E-02	-1.0836924E-01
	6.1650230E-02	1.7653942E-02	-4.9693231E-02	-5.0984897E-02	-5.7540563E-02
-1.0497997E-01	3.4586194E-01	-9.5461699E-02	-3.2185157E-02	-1.6578626E-01	-1.8010670E-01
	1.4565425E-01	-1.0766762E-01	2.7348371E-03	-1.3762062E-01	-7.3478855E-03
	-1.2264981E-01	-4.1345528E-03	-5.0330459E-02	1.9173598E-02	-3.0453161E-02
1.8377697F-01	-3.7446730E-01	1.0739627F-01	1.1774668E-03	3.5071428E-02	-9.5220512E-03
	6.0008532E-02	-6.6795059E-02	9.5440063E-02	-1.0183335E-01	6.4172749E-02
	5.5556134E-02	9.4956691E-03	2.2451674E-02	-3.7113877E-02	1.5655830E-03
-2.9588264E-01	5.7889760E-01	-1.0151249E-01	1.0853022E-01	-6.7518768E-02	2.4355972E-01
	-1.0852498E-01	1.5900155F-01	-6.8673533E-02	1.0951247E-01	-9.2771627F-03
	6.2675334E-02	-3.8306617E-02	2.9897727E-02	-3.6668147E-04	9.5398107E-02
-2.3420610E-02	-1.2620271E-01	3.0593189E-02	-3.2170962E-02	1.0973370E-01	2.9716389E-02
	6.8420336E-02	-3.7990093E-02	-6.6148875E-02	9.7537296E-02	1.8884764E-02
	-3.6815942E-02	2.5474710F-02	-5.8427463E-02	4.7868590E-02	-2.8727361E-02
1.9487076E-01	-3.0035388E-01	6.7061933E-02	-2.3607308E-01	5.4822969E-02	-6.3205112E-02
	-4.8290038E-02	-1.0475693E-01	-3.5014907E-02	-9.2548712E-02	-6.0037470E-03
	-2.6484732E-02	-5.6357601E-02	-3.8668906E-02	-7.2171620E-03	-5.5920876E-02
-6.7234145E-02	1.4029336E-01	-7.5933515F-02	1.3106215E-01	-2.8054261E-03	6.2485725E-03
	9.7351993E-02	-4.2000405E-02	7.6665003E-02	9.2414539E-02	7.1253983E-02
	-3.9580926E-02	-1.4101622E-02	7.3022740E-02	1.3147779E-02	4.5744265E-02
-2.4818435E-02	-6.6485609E-02	4.0345718E-02	3.3165351E-02	1.3812969E-02	2.3289788E-02
	-1.1466891E-01	2.1625917E-02	3.1798938E-02	3.7001286E-03	-4.5781735E-02
	6.4961694E-02	-1.7883297E-03	2.7726123E-02	-3.3241175E-02	2.5156952E-02
-2.3731467E-01	3.7605842E-01	-7.4980246E-02	7.3427098E-02	-6.0812495E-02	3.0458982E-02
	3.8498567E-02	8.7093863E-02	-2.7499827E-02	-7.0754916E-03	-2.6548168E-02
	-5.5286401E-02	2.5482815F-02	-3.4039685E-03	2.4705954F-02	-3.7776378E-02
3.0780427E-01	-4.9581036E-01	1.0446921F-01	-1.1936656E-01	6.4401475E-02	-1.7906927E-01
	-9.3223373E-03	-6.5554768E-02	1.3099266E-02	-4.2047583E-02	-2.5827987E-02
	-6.2253774E-03	4.0406205E-02	-3.7444426F-02	-2.4952795F-03	-3.2291116E-02
-8.1407766E-02	1.9865426E-01	5.1438709E-03	1.8587031E-02	-5.1623391E-02	2.9580933F-02
	-1.8324609E-02	8.2829190E-02	2.8010935E-02	5.5864061E-03	-8.4250135E-04
	5.2286412E-02	-2.7402146E-02	1.3873214E-02	-2.3462854E-02	3.6315020F-02
-1.1254194E-02	-1.2170274E-02	-4.3295910E-02	6.4190850E-02	-1.2563363E-03	2.9737417E-02
	7.2163954E-02	-3.3154244E-02	-8.9690074E-03	-2.3768096F-03	2.9665545F-02
	-2.3920140E-02	3.4583978F-02	2.4649002E-02	-1.1936630E-02	-1.3116367E-02
-9.5951501E-02	8.5310795E-02	1.9910364F-02	-2.9049852E-02	1.5184218E-02	4.1542904E-02
	-5.5247764E-02	2.4567712F-02	-1.0905678E-02	-3.2027581E-02	-4.6696272E-02
	3.9716456E-02	5.8292552F-04	-1.9931942E-02	-6.1434947E-03	-5.1813011E-03

Table 20

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, September-October-November (0400-0800 Local Mean Time)

	ALPHA	BETA		
	1.5499998E 01	4.5200002E 00		
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS			
2.9911177E 01	1.0068669E 01	-2.2500175E 00	9.0862635E-01	-8.2822175E-01	8.8332487E-01
	3.3267019E 00	-1.6216799E 00	2.5538929E 00	-4.0703371E-01	2.3744531E-01
	2.9511952E-01	-3.0570126F-01	2.8886082F-01	-2.4324355E-01	-5.8257933E-02
-1.0309191E 01	9.0576549E 00	-1.9164363E 00	-6.5180753E-01	5.6084338E-02	2.6196777E 00
	-5.1689986E-01	9.2221892E-01	5.5832816E-01	-1.3467375E-01	6.8538207E-01
	-4.7167242E-01	6.0843914E-02	1.7951700E-01	-1.0924651E-01	2.2081606E-01
-3.6505246E 00	-3.7527917E 00	-2.7036775E 00	-1.9274347E 00	5.1184968E-01	2.1183260E-01
	-8.1073154E-01	-1.0268330E-01	-1.2293052E 00	-3.1816173E-01	-5.8941849E-02
	-1.9813271E-01	4.2535011E-01	-3.9725828E-01	2.0905934E-01	-1.2536886E-01
1.7241622E 00	-3.2804432E 00	8.6997230E-02	-4.5354611E-01	-6.2454076E-01	-1.5483632E 00
	-4.3454218E-01	-9.9727846E-01	-8.7740465E-01	1.6046158E-01	-8.7131540E-01
	2.7882013E-01	-3.7293797E-01	-6.4900488E-02	2.2733932E-03	-1.5078294E-01
-1.1771724E 00	-2.1103087E-01	7.4406546F-02	1.1844624E 00	5.1680328E-01	-4.2816231E-01
	4.7408256E-01	3.3038058E-01	8.4927114E-01	4.9142289E-01	1.7294213E-01
	3.3858808E-01	-1.8880254E-01	3.8991535E-01	8.0471724E-02	1.4880430E-01
-5.0313063F-01	1.7508990E 00	-1.8274014F-01	7.5314039E-01	4.3742100E-01	2.0977175E-01
	1.1039509F-01	2.4162827F-01	3.5275201E-01	-2.6309156E-01	3.5435746E-01
	-2.7009623E-01	2.9920052E-01	-1.2397418E-01	1.8318644E-02	-3.6689957E-02
-2.0823222E 00	1.5903605E 00	8.8222785E-01	-8.1278845E-02	7.1398718E-02	5.9416516E-02
	-5.7367532E-01	2.3572147E-01	-2.6117527E-01	-2.9850579E-01	-6.3318972E-02
	-4.1642401E-01	9.5902749E-02	-2.1567089E-01	-9.5255971E-02	-4.4789003E-02
1.7052249E 00	-1.5792888E 00	7.5772120F-01	-6.6297743E-01	-2.2095415E-01	-5.7558994E-01
	1.2238803E-01	2.6348790F-01	-1.3947544E-01	2.2188184E-01	-2.1018099E-01
	2.0278119E-01	-9.5112216E-02	5.2218803E-02	9.7433563E-04	5.3380609E-02
-8.7015043E-02	9.2689394E-01	3.8684767E-02	5.1329175E-02	-4.7224108E-01	1.1891527E-01
	2.8637069E-01	3.9964963E-02	-3.0720704E-02	1.6714799E-01	8.6653789E-02
	2.8863591E-01	-6.7081902E-02	1.3510402E-01	-5.3818805E-02	5.5256416E-02
-2.7438812E-01	3.5323016E-01	3.3517600E-02	-1.8373384E-01	-3.5931588E-02	2.7346784E-01
	1.4763018E-01	-3.1661905E-01	1.3550052E-01	-3.3571871E-01	2.3031101E-01
	-5.2309837E-02	3.6701543E-03	-2.3843619E-02	-1.6989814E-02	-3.3305337E-02
1.9982867E-02	5.2433867E-01	-2.4508086E-01	-7.3597795E-02	-1.2075419E-02	-9.7996262E-02
	-5.5369329E-02	-2.1147085E-01	-1.9386387E-01	-2.8755487E-02	-1.5068778E-01
	-1.3435426E-01	-3.5544086E-03	-1.1743843E-01	3.2294085E-02	-3.4741476E-02
3.5024828E-01	-7.5528471E-01	1.9644683E-01	-2.5893295E-02	3.2880227E-01	1.9902047E-01
	-1.0534076E-01	2.2816468F-01	-1.1808485E-01	2.8163398E-01	-7.9027640E-02
	8.8840951E-02	-9.3470972E-03	6.2759356E-02	7.2092747E-02	3.6206011E-02
5.4915382E-01	-6.2228695E-01	-3.4295129E-01	-1.5103446E-02	2.2174968E-01	1.3167257E-01
	1.0833141E-01	-4.3378356E-02	5.2362927E-02	9.2001077E-02	-2.0106812E-02
	-5.0649414E-03	-2.5991689F-02	-1.6938283E-02	3.3769332E-02	-3.1600256E-02
-5.6647557E-01	5.6854029E-01	-3.0143381E-01	3.0637307E-01	-3.7002623E-03	1.7212326E-01
	7.7169447E-02	-1.5339766F-01	1.8611692E-01	-9.2671487E-02	9.6124865E-02
	-1.1067355E-01	2.1572765E-02	1.5917715E-02	-4.4087093E-02	-2.4736107E-02
4.2146001E-01	-6.1994866E-01	-1.0192206E-01	-1.8895910E-01	-8.3328310E-02	-1.5209890E-01
	-1.7278505E-01	-3.3136390E-02	8.4189909E-02	-8.0946798E-02	-2.0682714E-02
	1.1315477E-02	-4.0462029E-02	6.1378453E-02	-6.5983826E-02	3.5822586E-02
1.8476087E-02	4.4004065E-02	-4.8311696E-02	6.7902574E-02	-1.8023816E-01	-1.0747827E-01
	-9.2483566E-02	1.1227972F-01	-2.8873085E-02	1.6223424E-01	-5.3615894E-02
	7.4290523E-02	6.8451516F-02	-3.3701359E-03	5.2124515E-02	2.9146193E-02
-1.6224973E-02	-1.9944867E-01	2.0166002E-01	-7.1712390E-02	-2.5256748E-03	-7.4007596E-02
	-6.1430498E-02	1.3277817E-01	-3.4636946E-02	-7.9073160F-02	2.4988929E-02
	1.0930617E-02	4.5832376E-02	-1.7183310E-02	1.5121815F-02	-5.0206456E-02
-2.0094834E-01	4.7437510E-01	-6.6007805E-03	1.0455827E-01	-1.2710288E-01	-1.3652969E-01
	3.4197815E-02	-7.7494713E-02	-1.1059850E-02	-1.1519474E-01	-3.1517551E-02
	-3.2104935E-02	-1.7129364E-02	-4.0803490E-02	-6.7101733E-03	-1.4519165E-02
9.0747756E-02	-1.3432759E-01	1.3258909E-01	5.1734791E-02	-7.4857903E-02	3.1584432E-02
	8.5095013E-03	-3.9065725E-02	3.8585443E-02	-3.7449464E-02	2.3046654E-02
	-5.6552995E-03	-2.5410445E-02	1.2858701E-02	-3.6287928E-02	4.0839146E-02
-2.8787597E-02	7.0016697E-02	3.0686772E-02	2.4134711E-02	4.1605511E-02	8.7117471E-02
	6.3191680E-03	1.0898733E-01	-2.7719527E-02	5.9735365E-03	2.1074845E-02
	5.4979869E-02	-3.2958766E-02	1.5900607E-02	-3.9794458E-02	1.4428335E-02
-1.3296722E-01	1.0939339E-01	2.4099920E-02	-2.2802885E-03	3.6260175E-02	9.0191505E-02
	9.6355363E-02	-1.4529282E-02	-3.2463057E-02	5.5327123E-02	5.2711024E-02
	-2.4482264E-02	5.1800172E-02	-6.8850148E-02	7.1726274E-02	-2.0875355E-02
4.3986507E-02	-1.8061504E-01	5.9406251E-02	-1.5423472E-01	4.2958828E-02	-1.9876568E-02
	-2.6778061E-02	-4.5447052E-02	-9.9293160E-02	-5.9528964E-02	6.7122384E-03
	-3.2132241E-02	-3.2129999E-02	-6.0956296E-03	-9.6630851E-03	-2.6674058E-02
-5.8184463E-03	1.1203793E-01	-1.0331275E-01	3.6049848E-02	2.3398756E-02	2.6339741E-02
	6.7496352E-02	-4.7189578E-02	1.2102844E-02	4.3716156E-02	8.8000591E-03
	2.4443303E-02	-1.6576456E-03	5.3166519E-02	8.2134048E-03	3.8242698E-02
-1.2239262E-02	-9.1096811E-02	3.5075400E-04	3.4483322E-03	5.9261834E-02	7.0974112E-02
	-2.9986587E-02	-2.2415024E-02	1.4938383E-02	1.9582113E-02	-2.2548234E-02
	-1.2305710E-02	-2.4896064E-02	2.8138748E-02	-1.6898826E-02	1.9639144E-02
-1.0193552E-01	1.6387894E-01	-4.2683054E-02	2.8865413E-02	6.6099634E-02	-1.2544597E-02
	-2.7080781E-03	4.4145061E-02	1.1407823E-02	2.2788907E-02	-3.9611451E-02
	-1.5813832E-02	-6.7589751E-03	-1.1029907E-02	-2.5213728E-03	-2.6301087E-02
1.7905813E-01	-2.5840241E-01	6.1392328E-02	-8.2529198E-02	-3.2952443E-03	-8.8285295E-02
	-2.6400312E-02	-3.2527329E-02	3.0659699E-02	2.2300606E-02	-3.1661325E-02
	-4.9583367E-02	2.4612352E-02	-4.5663273E-02	3.1259665E-02	-2.4936108E-02
-5.0943881E-02	8.8840564E-02	2.9901564E-02	2.7054342E-02	-1.8638632E-02	-2.5003704E-02
	-5.0397596E-02	6.0985699E-02	3.4683704E-02	3.4142311E-02	6.0971013E-03
	1.9427933E-02	5.9981090E-03	4.5604616E-02	-1.4845287E-02	1.0091969E-02
-2.0391575E-02	9.3240061E-02	-5.2980797E-02	6.5401159E-02	-5.1617079E-02	-1.7651328E-02
	3.1881373E-02	1.3905092E-03	5.5239608E-02	6.6810449E-03	1.8232287E-02
	3.2304027E-02	2.9233352E-02	2.9131376E-02	-3.5025024E-03	1.3078496E-02
-2.2733068E-02	1.4184654E-02	3.0353719E-02	-2.2069829E-03	-2.4718689E-02	-2.4317475E-03
	-2.2284321E-02	-9.3117793E-03	-1.3370388E-02	-4.3759464E-02	-1.4272273E-02
	9.1243848E-03	-9.6036441E-03	-1.3973543E-02	-1.7320765E-02	-1.2637456E-02

Table 21

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, September-October-November (0800-1200 Local Mean Time)

	ALPHA	BETA			
	8.8999997E 00	3.1830987E 00			
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
1.4224396E 01	2.8825502E 00	-3.3697850E 00	5.9005514E 00	1.2854013E 00	-1.5698446E 00
	2.5627012E 00	-6.0627988E-01	3.2961932E 00	4.5865691E-01	8.0208308E-01
	7.2303972E-01	-6.7948090E-01	5.5441461E-01	-3.3914750E-01	5.2684788E-01
-7.4142939E 00	6.8949308E 00	-3.3218157E 00	1.1235107E-01	1.5837575E-01	2.6164666E 00
	1.1556193E 00	4.5381544E-01	3.9226002E-01	-4.0164981E-01	8.4065742E-01
	-5.1984283E-01	2.4342148E-01	4.6359770E-02	-1.9882613E-01	1.5966882E-01
-4.0045808E 00	-9.0843037E-01	-1.2591504E 00	-2.7890268E 00	-1.1627330E 00	6.0272003E-01
	-1.8586115E 00	7.9524554E-02	-2.4378461E 00	-4.8231351E-01	-5.7016698E-01
	-7.5357175E-01	7.7966679E-01	-7.1512343E-01	2.5842059E-01	-4.4009099E-01
2.5390819E 00	-3.6061986E 00	6.7267992E-01	-8.2506994E-01	5.6467868E-01	-2.8150190E 00
	-5.4140519E-01	-5.5499853E-01	-6.8722547E-01	5.5642910E-01	-9.9880688E-01
	5.5278606E-01	-5.8333911E-01	2.3437480E-03	1.8695460E-01	-4.3239110E-02
9.9619955E-01	4.1843790E-01	2.1263686E-01	1.7586507E 00	7.2288169E-01	-3.0301253E-01
	6.6818230E-01	-9.5488352E-02	1.4631955E 00	5.0912158E-01	3.5765176E-01
	7.7614858E-01	-5.4430742E-01	8.2498685E-01	-1.0523602E-01	3.7774030E-01
-2.0501982E 00	3.1667204E 00	-3.0683719E-01	1.2080555E 00	1.3623750E-01	1.4473689E 00
	1.9565358E-01	2.1201571E-01	6.6881230E-01	-5.2942202E-01	6.8144511E-02
	-4.1773028E-01	6.2313810E-01	-4.6244925E-02	-8.7793311E-02	-1.3643033E-01
-2.1596007E 00	1.8280370E 00	5.9967733E-01	-4.9771503E-01	5.0421566E-02	1.7059737E-01
	-3.5872912E-01	1.5420687E-01	-5.6159697E-01	-6.4291651E-01	-1.5273917E-01
	-7.1364422E-01	1.4349350E-01	-6.7536590E-01	-4.5876801E-02	-2.7528617E-01
2.7126834E 00	-3.4015828E 00	7.7266643E-01	-1.3915150E 00	-3.5199468E-01	-9.0091482E-01
	-5.3417271E-01	1.6590491E-01	-5.6007350E-01	5.2599223E-01	-5.1224105E-01
	2.7227274E-01	-4.3455291E-01	2.4413494E-02	5.6889063E-02	1.4333124E-01
1.3764902E 00	-8.7807708E-01	-2.5038595E-01	-1.4005048E-01	-3.1189122E-01	-1.8112608E-02
	5.6629877E-01	1.5452921E-01	1.9304504E-01	5.2395496E-01	1.0241148E-02
	6.6435810E-01	-2.2666626E-02	4.4916608E-01	1.0727669E-01	1.4613202E-01
-2.0994957E 00	2.6862231E 00	-5.0476472E-01	7.9059288E-01	-6.4914888E-02	6.3313471E-01
	5.2813196E-01	-4.6054844E-01	3.7679367E-01	-6.0690777E-01	3.9915821E-01
	-1.7553807E-01	2.5338078E-01	-1.9632462E-02	-3.6536093E-02	-1.3721185E-01
6.1736386E-02	-4.0305303E-02	-1.0958350E-01	-1.7352563E-01	4.5337647E-02	-1.7607252E-01
	-3.4231132E-01	-3.0465270E-01	-1.8143503E-01	-7.3118307E-01	-2.7261975E-02
	-5.2744272E-01	3.8895598E-02	-2.8522277E-01	-1.2487051E-01	3.6377237E-02
1.0297841E 00	-1.3565606E 00	3.1271835E-01	-3.1405654E-01	1.2654555E-01	-7.6967731E-02
	-3.3726349E-01	5.4158179E-01	-2.9017954E-01	6.0397869E-01	-2.5732096E-01
	1.2866230E-01	-9.6853409E-02	2.5830298E-03	6.0116664E-02	1.8658148E-01
8.3006057E-02	-3.3920741E-01	5.4731192E-02	-5.6494585E-02	2.4418641E-01	2.3716707E-01
	2.3171669E-01	2.5287193E-01	7.1546860E-02	1.5837565E-01	4.7632926E-02
	3.1455677E-01	2.3066859E-02	1.0400984E-01	1.1204626E-01	-1.6131742E-01
-4.7547323E-01	5.8609785E-01	-3.2559482E-01	1.8411214F-01	-4.8252848E-02	-2.0194599E-01
	1.8414168E-01	-5.5066265E-01	2.5353265E-01	-4.1810251E-01	1.5836505E-01
	-1.1626615E-01	-3.0828863E-02	-1.7362160E-02	-6.1326693E-02	-2.0632755E-01
-2.3763292E-01	3.5934655E-01	-8.0040283E-02	2.4806255E-01	-2.9881124E-01	-1.2354743E-01
	-2.6890121E-01	-1.6152825E-01	1.3317794E-01	-1.4349151E-01	7.2127177E-03
	-1.2970374E-01	-9.5316639E-02	1.1083715E-01	-8.1879153E-02	2.0321814E-01
2.5697832F-01	-3.3433623E-01	1.5088600E-01	-2.2866586E-02	-6.1619407F-03	2.0166347E-01
	-2.2007494E-01	4.6855040E-01	-1.6093623E-01	2.3658213E-01	-7.3542688E-02
	8.5693890E-02	8.7501069E-02	8.2934263E-02	5.4174817E-03	1.7302812E-01
3.0195350E-01	-4.3843475E-01	1.6224348E-01	-2.5777330E-01	2.0488626E-01	-2.4356128E-02
	1.5249896E-01	1.1542888E-01	-1.6661029E-01	3.7763439E-02	-4.4816315E-02
	-1.2867697E-02	1.1822701E-01	-2.7627187E-01	4.9471310E-02	-1.9381931E-01
-1.8375264E-01	2.8911341E-01	3.5997753E-02	-3.5042880E-02	-2.4728200E-02	-2.1475911E-01
	2.1680640E-01	-2.8447656E-01	9.5334852E-02	-1.5937046E-01	-2.4099749E-02
	-5.6561224E-02	-7.9132695E-02	-1.0230660E-01	2.4676496E-02	-1.3255494E-01
-2.6736868E-01	4.9170741E-01	-1.2422044E-01	2.1300782E-01	-1.8238891E-01	1.1313303E-01
	1.1606007E-02	-5.7784440F-02	1.0933553E-01	2.0973854E-02	2.8838406E-02
	1.1658096E-01	-1.0397403E-01	2.4479275E-01	-3.0866077E-02	1.6540863E-01
1.5729029E-01	-2.5650328E-01	-4.1335949E-02	-9.4690112E-03	-3.1777752E-02	1.9794219E-01
	-9.9735351E-02	1.4024705E-01	-7.6724259E-02	8.1485010E-02	7.1411438E-02
	6.3042419E-02	5.8498046E-02	5.9196558E-02	-3.3733443E-02	1.0025535E-01
4.4601059E-02	-1.5115511E-01	1.1526127E-01	-1.5086973E-01	1.3130308E-01	-3.7773592E-02
	-4.9054995E-02	4.1491860E-02	-1.0968099E-01	-1.0813491E-02	1.1566079E-02
	-1.1610448E-01	7.1165228E-02	-2.1153806E-01	2.6873063E-02	-1.2143698E-01
2.3994889E-02	-7.1864461E-02	7.1077642E-02	-1.0641812E-01	9.0537250E-02	-1.2765193E-01
	4.5617005E-02	-9.2788036E-02	1.8092435E-02	-3.0275944E-02	-5.0041712E-02
	-7.5210974E-02	-4.9150359E-02	-5.4037462E-02	4.9985660E-02	-6.9382446E-02
1.2630481E-01	-1.1340688E-01	-1.1804844E-01	8.3932356E-02	-2.1324489E-02	2.1852691E-03
	4.6447238E-02	-5.7420896E-02	9.5365453E-02	6.3295516E-02	-2.6518696E-02
	7.9346083E-02	-6.6428387E-02	1.4182933E-01	-5.9082047E-03	7.4223484E-02
-2.4743623E-01	3.2468555E-01	-8.6992549E-02	2.1436729E-01	-6.2877709E-02	1.1619300E-01
	-6.3348204E-02	6.6619513E-02	5.2809503E-02	3.8441932E-02	3.6101836E-02
	5.1326692E-02	2.4938074E-02	8.1043088E-02	-3.9878463E-02	4.5537255E-02
4.3241845E-02	-9.9305197E-02	6.6651111E-02	-1.0307767E-01	-7.7905622E-03	-6.5065584E-02
	-6.5571845E-02	2.6183756E-02	-4.3457683E-02	-9.0524558E-02	4.7138215E-03
	-8.5560299E-02	7.3441075E-02	-8.1747319E-02	-6.6242014E-03	-5.4258412E-02
1.8865970E-01	-2.5363596E-01	8.9400964E-02	-1.6307312E-01	4.3682017E-02	-1.1606699E-01
	3.0734466E-02	-1.3700124E-02	-5.7329283E-02	-1.5250926E-02	-3.3521347E-02
	-2.4432868E-02	2.1792717E-02	-6.6612933E-02	2.3744348E-02	-2.1544747E-02
-1.0826474E-01	1.8724205E-01	9.1289147E-03	9.0688698E-02	1.7553893E-03	7.2635204E-02
	5.1808189E-02	3.9030915E-02	2.3777739E-02	7.7862197E-02	-1.5287629E-03
	9.3237575E-02	-4.3178985E-02	5.5569498E-02	4.7739272E-03	3.0974832E-02
-3.2901531E-02	7.5074517E-02	-7.9405111E-02	8.5437834E-02	-5.6384063E-02	5.1946980E-02
	1.9753247E-02	-2.6967777E-02	2.7130009E-02	-3.3893864E-02	3.2790084E-03
	9.3774835E-03	-3.2421035E-02	2.3680115E-02	-2.4039835E-02	-3.1357103E-03
3.3886085E-02	-6.5214444E-02	-3.6024419E-02	-2.9760212E-02	-2.5708897E-02	-2.0197701E-02
	-1.3529131E-02	-4.3366607E-02	-1.6523212E-02	-7.8185193E-02	3.3737077E-03
	-5.4112014E-02	8.2593347E-03	-2.7680843E-02	-1.7285992E-02	-5.3902813E-03

Table 22

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, September-October-November (1200-1600 Local Mean Time)

	ALPHA	BETA		
	1.6399999E 01	2.5783100E 00		
CH1	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS			
3.1223923E 01	-1.6360258E 01	-8.2142264E-01	8.6904634E 00	-4.9165330E-02	-2.1074028E 00
	3.1870091E 00	-2.2817018E-01	2.9558095E 00	2.3266363E-01	5.3740524E-01
	7.7078617E-01	-6.3391579E-01	3.9296227E-01	-1.3367802E-01	6.9145933E-01
-1.3099412E 00	2.4649213E-01	-4.1663641E 00	-5.8212061E-01	-1.0579956E 00	3.3031776E 00
	5.9683596E-01	3.1480873E-01	1.9369621E-01	-8.7827502E-01	2.2867705E-01
	-4.1638221E-01	1.2325607E-01	1.2226467E-01	-1.7033292E-01	3.5111623E-01
-6.4968447E 00	1.3090624E 00	-2.7805462E 00	-2.7684926E 00	-6.7330486E-01	9.2811663E-01
	-1.6175936E 00	-1.8130966E-02	-2.0159727E 00	-4.3856207E-01	-1.9711333E-01
	-5.4551558E-01	5.7595456E-01	-6.9241346E-01	3.5341885E-02	-6.2408172E-01
1.8636566E 00	-2.8066895E 00	1.9088504E 00	-1.0780840E-02	3.2642043E-01	-2.5090364E 00
	-4.6165742E-01	-5.5934895E-01	-3.7726003E-01	9.7121130E-01	-4.0905207E-01
	3.5618736E-01	-2.7979384E-01	1.3359623E-01	1.8344104E-01	-2.6248189E-01
1.0859745E-01	6.4579777E-01	4.2610444E-01	2.0197379E 00	3.0097387E-01	-1.8815684E-01
	-2.3505410E-02	-2.1944358E-01	1.1380189E 00	4.3268124E-01	1.9709218E-01
	5.8488855E-01	-3.8509393E-01	7.8958955E-01	9.9345508E-02	4.9905850E-01
-2.7320513E 00	3.7928575E 00	-1.0994129E-01	8.9571571E-01	3.4921153E-01	7.5348553E-01
	2.9677018E-01	8.6407875E-02	1.4216927E-01	-7.2886364E-01	3.7305308E-01
	-2.7195895E-01	2.2963854E-01	-1.7231619E-01	-6.6339794E-02	1.5080322E-01
-1.5223987E 00	1.2254433E 00	6.8315874E-01	-4.8994935E-01	6.5005723E-01	9.9028815E-02
	2.0819195E-01	3.8727835E-01	-3.0889603E-01	-2.1924739E-01	-1.4624258E-01
	-4.4985872E-01	1.8344367E-01	-6.5209133E-01	-2.3473232E-01	-3.5263984E-01
2.7605191E 00	-3.3450142E 00	5.6398596E-01	-1.2268019E 00	-2.4978220E-01	-8.0481453E-01
	-3.2126715E-01	1.4494420E-01	-4.8096151E-01	3.5037233E-01	-5.7190012E-01
	1.7938717E-01	-1.7085943E-01	8.1040267E-03	9.8817514E-02	-3.3383504E-02
1.0397095E 00	-4.9975464E-01	-4.7979850E-01	-1.0382902E-01	-4.7077894E-01	8.5928588E-02
	2.0039701E-01	3.7004333E-02	6.9827963E-02	3.0240347E-01	7.4772900E-02
	3.9820812E-01	-5.0350060E-02	4.5515110E-01	1.6962834E-01	2.1739641E-01
-1.7378625E 00	2.0024308E 00	-3.0285132E-01	5.6435699E-01	-6.8456070E-02	6.9426898E-01
	1.9155762E-01	-2.9712273E-01	5.1022516E-01	-3.9285301E-01	6.3531746E-01
	-7.2485653E-02	2.1382313E-01	5.8228807E-02	-1.0968830E-01	-1.7503089E-02
4.2089584E-02	9.7769055E-02	-1.0365469E-01	-2.0274590E-01	-9.9961089E-02	-2.7106380E-01
	-2.8563846E-02	-3.0396113E-01	-1.5951443E-01	-3.5117968E-01	-8.6176455E-02
	-3.0452426E-01	-8.2439828E-02	-2.2820918E-01	-3.4508075E-02	-6.0582082E-02
7.7246274E-01	-1.0990651E 00	2.0686526E-01	-1.0659459E-01	2.6082644E-01	-6.1852430E-02
	-2.2224465E-01	3.5265323E-01	-2.8057832E-01	4.6349756E-01	-4.3052481E-01
	4.1342181E-02	-1.6260565E-01	-1.2532227E-02	1.0855331E-01	7.1000049E-02
3.8798530E-02	-2.5630490E-01	5.2135129E-02	4.2565320E-03	2.3092480E-01	2.9223845E-01
	8.3410825E-02	2.8566670E-01	4.4670677E-02	2.6343495E-01	9.2004929E-02
	1.9335887E-01	8.3775617E-02	5.0099338E-02	-1.3232779E-02	-3.4547806E-02
-5.2772776E-01	6.4809967E-01	-2.8981664E-01	1.5971943E-01	-1.3667685E-01	-1.3572769E-01
	1.0056671E-01	-3.9916282E-01	2.6314667E-01	-3.5078448E-01	2.1317073E-01
	-1.3310644E-01	1.7098773E-02	-1.7738139E-02	-9.0523367E-02	-1.4066399E-01
2.4215206E-01	-3.0630789E-01	-8.2263415E-02	1.8920341E-02	-2.0637902E-01	-2.6844647E-01
	-1.5125462E-01	-2.1152063E-01	1.0946299E-01	-1.6062518E-01	-6.7639285E-02
	-7.1683596E-02	-5.1023895E-02	5.2743475E-02	-1.7964884E-02	7.9796746E-02
3.9721391E-02	-1.0328205E-02	1.6630982E-01	1.6156876E-02	-8.7699549E-03	5.7065003E-02
	-7.9357856E-02	4.0539467E-01	-1.5808344E-01	2.7812718E-01	-6.1108080E-02
	1.7924283E-01	6.1529474E-02	8.6539775E-02	5.6850376E-02	1.4606371E-01
-3.3919527E-01	2.5358576E-01	2.0426971E-01	-2.3073475E-02	2.3048767E-01	1.9140960E-01
	4.8226152E-02	1.6785461E-01	-8.6265532E-02	8.5810930E-02	1.9733384E-02
	-2.3395896E-02	9.2825016E-02	-8.9444515E-02	3.8090273E-02	-8.8533096E-02
1.7385902E-01	-1.4905481E-01	1.3717919E-02	-1.7508630E-01	-5.1185588E-02	-2.0695172E-01
	1.4053930E-01	-2.7876451E-01	-6.3024170E-03	-2.3319220E-01	-3.2143223E-02
	-1.4114276E-01	-4.5003093E-02	-1.3078531E-01	-4.9723599E-02	-1.1078498E-01
2.2170467E-01	-8.2429234E-02	-6.0823885E-02	2.3574475E-02	-1.4872724E-01	-1.0748279E-02
	-2.7654785E-04	-7.6437895E-02	7.6986980E-02	-3.3673805E-02	8.2989414E-03
	6.0907704E-02	-1.2081112E-01	1.0416029E-01	-4.8995171E-02	7.5495766E-02
-1.7353589E-01	1.8528396E-01	-4.1303218E-02	1.0519814E-01	1.3329784E-02	1.8785001E-01
	-4.0381908E-02	1.3678095E-01	-2.1412797E-02	1.3115622E-01	3.2476621E-02
	1.2979578E-01	2.8057074E-02	7.0818235E-02	3.7448033E-02	7.6937973E-02
-2.1994688E-01	2.3206918E-01	-1.9541743E-03	-6.2138860E-02	7.3979156E-02	1.4778458E-02
	6.2201866E-03	3.4546608E-02	-9.2167662E-02	1.9025678E-02	3.4918210E-02
	-6.5911399E-02	9.9820904E-02	-9.0717380E-02	6.0119538E-02	-5.5688071E-02
2.3015407E-01	-3.8065944E-01	6.9777054E-02	-1.5753570E-01	6.2352083E-02	-7.0635282E-02
	-5.6082729E-02	-8.4704138E-02	3.6611033E-02	-6.0908258E-02	-2.6813802E-03
	-1.2574048E-01	-3.1414040E-02	-5.1026225E-02	-1.4685718E-02	-5.6950942E-02
2.2377424E-01	-1.7728915E-01	-9.2285049E-02	7.6000512E-02	-1.6362173E-02	-3.5444100E-02
	5.1400605E-02	-2.7091203E-02	4.2186221E-02	3.5362443E-02	-5.7353899E-02
	7.4806528E-02	-6.8315701E-02	7.5670350E-02	-3.7686359E-02	5.2248328E-02
-2.2314836E-01	2.6160579E-01	-7.3110473E-02	1.5934765E-01	-1.0287998E-02	7.4692318E-02
	-1.4451181E-02	3.5455774E-02	2.9540127E-02	3.1196728E-02	-1.2907466E-03
	5.6871275E-02	-1.7690223E-03	6.7664447E-02	5.8660849E-03	3.8716152E-02
-1.0604522E-01	6.6270615E-02	5.3678855E-02	-3.2070670E-02	-3.2600953E-03	-1.8191795E-02
	-5.8947237E-02	2.3094140E-02	4.5914545E-03	-4.9487829E-02	2.2788938E-02
	-7.4857827E-02	5.9163164E-02	-6.4188329E-02	1.5653004E-02	-5.8598503E-02
1.6980677E-01	-1.7945740E-01	3.4246887E-02	-9.8164992E-02	-2.2727650E-02	-1.0350375E-01
	1.2824713E-02	-1.3066313E-02	-2.5340296E-02	-1.0322317E-02	-8.8177663E-04
	-3.1666609E-02	3.0118066E-02	-4.7891612E-02	6.9726140E-03	-1.9635781E-02
2.7861390E-02	-3.0801689E-02	-1.3828023E-03	1.1743082E-02	-2.7804295E-02	4.5402140E-02
	6.4433168E-03	2.2208717E-02	-1.8311471E-03	3.1963218E-02	-1.0787129E-03
	8.6954676E-02	-2.6589893E-02	6.4470201E-02	-2.0789246E-02	5.8267671E-02
-1.5040454E-01	2.2541266E-01	-9.4796536E-03	8.9401979E-02	-1.0203842E-02	6.5719146E-02
	5.4937594E-02	1.6425528E-02	9.7614322E-04	-5.7013257E-03	-3.0964445E-03
	3.1428702E-02	-1.5339440E-02	1.4731875E-02	-1.7859201E-02	-5.1888139E-03
3.2210170E-02	-5.5504784E-02	1.0538660E-02	-3.3267032E-02	1.1498873E-02	-3.7094983E-02
	4.5234051E-03	-5.7621670E-02	-6.2432711E-03	-5.1204996E-02	-4.7941688E-03
	-7.0917413E-02	-1.0457520E-02	-5.8876925E-02	1.3778842E-02	-4.5734620E-02

Table 23

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, September-October-November (1600-2000 Local Mean Time)

ALPHA	BETA
2.3100000E 01	6.1433806E 00

CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
3.7880097E 01	-1.2531214E 01	-2.3681167E 00	4.5710395E 00	-1.4830232E 00	-1.0950053E 00
	2.3452749E 00	-9.2190645E-02	2.5087236E 00	3.8083643E-01	2.1513023E-01
	1.0620420E 00	-2.7864449E-01	1.4190329E-03	4.9490176E-02	2.4605563E-01
-3.4534621E 00	2.2718558E 00	-4.0334993E 00	2.2117594E-01	-1.9444035E 00	3.2809074E 00
	-2.2522423E-02	2.3481981E-01	3.3761217E-01	-1.8871896E-01	2.8783664E-01
	-1.6286886E-01	-8.5647964E-03	-1.2817262E-01	-6.8583332E-03	-9.2693269E-02
-6.8151581E 00	9.0732180E-01	-1.9635645E 00	-1.9817038E 00	1.1960174E 00	6.4633188E-01
	-2.7089497E-01	-5.2115869E-02	-1.1595584E 00	-6.5162197E-01	3.9771686E-04
	-4.4701382E-01	4.0371807E-01	-1.2425905E-01	-8.8968241E-03	-2.9092705E-01
1.2756899E 00	-4.3639206E 00	2.1207413E-01	1.9096243E-01	-2.7931114E-01	-1.9150005E 00
	-5.5907739E-01	-6.6155280E-01	-7.3298932E-01	3.5799251E-01	-5.7416848E-01
	-2.4778890E-02	-3.1716476E-01	9.7680751E-02	4.1412155E-02	1.3454283E-01
-6.9327295E-02	-1.5983866E 00	1.0549402E-01	1.5610281E 00	2.3365213E-01	1.2856908E-01
	-7.2837816E-01	-2.1889317E-01	5.9339812E-01	5.7366977E-01	8.0721744E-02
	4.2802720E-01	-3.2081102E-01	6.3506597E-02	1.6703803E-01	1.1623760E-01
-3.2492151E-01	1.1214588E 00	-6.7174296E-02	2.5283461E-01	5.8419932E-01	7.7584386E-02
	3.4774493E-01	8.4382464E-02	4.7552100E-01	-4.4235157E-01	3.5001740E-01
	3.6085451E-02	3.5718808E-01	-3.5425541E-03	9.4272877E-02	-1.5009324E-01
-1.5580416E 00	1.1368013E 00	7.9304929F-01	-1.6326744E-01	1.9828372E-01	-3.9598580E-01
	-1.2265252E-02	4.3530396F-01	-2.2482592E-02	-2.1874148E-01	-5.0677578E-02
	-3.9604559E-01	1.2073725E-01	-1.0283930E-02	-8.7275045E-02	2.6580485E-03
1.4276819E 00	-9.3411740E-01	8.7314997E-01	-1.9960992E-01	-2.6830930E-01	-2.2931169E-01
	-1.9333288E-01	4.7177697E-01	-2.6156027E-01	1.9936845E-01	-2.1761057E-01
	3.1665665E-02	-2.3218795E-01	-4.7010694E-02	-1.7674181E-01	8.0524981E-02
7.1377005E-02	9.4734339E-01	8.2698410E-02	-2.4462976E-02	-4.7602063E-01	3.1299858E-01
	5.5138938E-01	-6.1859432E-02	-1.5115909E-01	6.1039028E-02	2.6382876E-02
	2.4781305E-01	-5.8552344E-02	7.6699710E-02	6.0110655E-02	-1.0379581E-02
-2.9756255E-01	2.3798944E-01	-3.4440393E-02	-3.3030953E-01	-3.3438304E-02	2.1819848E-01
	3.1841739E-01	-3.9329765E-01	2.0933723E-01	-1.7172855E-01	1.5832388E-01
	1.2642360E-02	1.1380038F-01	-3.9983221E-02	1.3620988E-01	-6.8364882E-02
-3.5754666E-01	8.7718893E-01	-1.9027986E-01	-2.9523324E-02	-2.1056278E-01	-8.2529128E-02
	-1.0729551E-01	-1.7664135E-01	-9.8033860E-02	-3.1491402E-02	-6.6894941E-02
	-1.5661928E-01	4.2625671F-02	-8.8512641E-02	-4.1335300E-02	-3.4181500E-02
-1.4347155E-01	-4.1353834E-01	2.1841682E-01	1.2383942E-01	4.4079517E-01	3.2803993E-01
	-1.9717017E-01	3.1308585E-01	-1.3346302E-01	2.0080305E-01	5.9075602E-02
	7.5926090E-02	-9.8204756E-02	1.3494321E-01	-2.5986829E-02	5.4776738E-02
9.6749279E-01	-1.0945746E 00	-2.8365858E-01	-2.3102009E-01	1.5174782E-01	3.4349665E-02
	3.1623378E-03	-1.0538349F-01	-1.0039639E-01	2.1174495F-02	-1.3283032E-02
	6.2960244E-02	-7.1944317F-02	1.9572636E-02	4.4726454E-04	6.5184643E-02
1.3762438E-01	-2.3662631E-01	-3.0784278E-01	-1.2121859E-02	3.9476662E-02	-1.9540655E-01
	1.9372190E-01	-2.6231143E-01	1.4301517F-01	-2.2261672E-02	4.6827952E-02
	-1.1927875E-01	2.6091647E-02	-1.3702556E-01	5.4981842E-02	-4.2639437E-02
2.8189726E-01	-3.1341473E-01	-1.9862199E-01	1.4106528E-02	3.8592528E-02	-4.5161905E-02
	-1.9539221E-01	1.9956563E-02	1.5030750E-01	-1.7693415E-02	-4.5074120E-02
	-7.7036031E-02	2.6918226E-02	-1.4724516E-02	-1.5265230E-02	-3.3617316E-02
-3.2395701E-01	4.5705740E-01	-9.9941820E-02	3.1729926E-01	-1.0399730E-01	7.8896508E-03
	-1.6153622E-01	2.0545225E-01	5.6278381E-02	9.4149313F-02	-1.0851780E-01
	8.5465515F-02	9.3179334E-02	1.5422313E-01	-4.4340687E-02	4.8235353E-02
-8.1065674E-02	-6.5454538E-02	2.2588037E-01	-4.9593324E-02	1.7692192E-02	-5.9880726E-02
	-8.7554033E-02	1.8362775F-01	2.3288210E-02	1.4081249E-02	1.1107895E-04
	6.6168392E-02	-1.4526766E-02	4.7686500E-02	2.5973974E-03	-6.9815348E-03
-8.7173283E-02	4.3845561E-01	-5.5616106E-02	-8.3349087E-02	-2.3991287E-01	-1.2600436E-01
	8.5109408E-02	-1.2929674F-01	-7.2679784E-02	-1.4470947E-01	-2.0265106E-02
	-7.6352794E-02	1.4791702F-02	-1.3251494E-01	1.6110176E-02	-7.6969823E-02
6.5436140E-02	-6.1244337E-02	1.2427081E-01	1.7706493E-02	-3.3782318E-02	-4.3663665E-03
	1.7148018E-01	-5.0180877E-02	-1.0254591E-02	-8.4758986E-02	1.9033258E-02
	2.7644142E-02	1.9582029E-02	-5.2448269E-02	-1.2192695E-02	-7.5545362E-03
-1.1996485F-01	2.1261605E-01	1.9791849E-02	7.0804260E-02	5.0462020E-03	9.8921069E-02
	-9.8834136E-02	8.1537302F-02	-7.7390547E-02	1.3968628E-02	3.0210228E-02
	5.9852647E-02	-7.9331023F-02	5.6743488E-02	-6.0083951E-02	1.0183032E-01
-1.3342186E-01	4.6571635E-02	8.5980241E-03	1.6645356E-02	1.1140366E-01	5.6134678E-02
	8.0843765E-02	1.2712979E-02	-1.3152768E-02	4.3199829E-02	7.5472369E-02
	-1.5079855E-02	3.1453714E-02	2.4323379E-02	2.0945618E-02	2.9440067E-02
1.5327477E-01	-3.2332834E-01	4.2916008E-02	-2.3402722E-01	6.8770341E-02	-6.8515512E-03
	-3.7987115E-02	-7.4793066E-02	-7.0996501E-02	-3.2470226E-02	1.1301321E-02
	-3.3288179E-02	-3.3509897E-02	-4.6168795E-02	3.9513639E-02	-4.4174018E-02
-3.2019352F-02	1.6802455E-01	-9.2104952F-02	6.0602450E-02	-1.7807446E-02	7.2897167E-02
	3.1507188E-02	-8.9291745E-02	2.6697710E-02	8.6914775E-02	4.6748410E-02
	-6.3491395E-03	-1.0370940E-03	-6.9321981E-03	3.3459054F-02	1.6349455E-02
-6.4821362F-02	-7.9827520F-02	6.5073320E-02	6.9546621E-02	3.3108540F-02	3.5922140E-02
	-8.4686757E-03	-4.3496975E-03	3.6900738E-02	1.1051217F-02	-5.0912054E-02
	2.4757854F-02	-7.7464702E-03	4.2159179E-02	-2.9718177E-02	6.5632837E-03
-2.4344452E-01	2.8047500E-01	-3.4719589E-02	9.9815898E-02	-9.4320488E-03	3.9735606F-02
	-4.0876843E-02	5.2661204F-02	2.2689599F-02	-1.6603802E-02	-3.6622882E-02
	-5.3315769E-02	-7.7936943E-04	3.5758567E-02	-1.3549078E-02	-3.8381369E-02
1.2733268F-01	-2.0970968E-01	1.0184930E-01	-5.2536730E-02	3.0014548E-02	-1.1579054E-01
	5.7808947E-03	6.8550775E-03	3.7828628E-02	2.6532021F-02	-1.6348331F-03
	-5.3246570E-02	1.4504787E-02	-2.4045460E-02	1.4892686E-02	-3.7043518E-02
1.3356263E-01	-1.0322403E-01	3.7585192F-02	-7.9007823E-02	-4.6810017E-02	-5.1090317E-02
	-2.4287160E-02	4.2036639F-02	-1.7296080E-02	1.2217951E-02	-4.4869800E-02
	3.8777310E-02	-5.4338174E-03	-2.1213188F-03	-2.3445089E-03	8.6494628E-03
7.4834775F-02	-3.6639608E-02	-6.2881075F-02	1.7558416F-02	-2.4312050F-02	-4.2776930E-03
	7.5266474E-02	3.1615985E-03	4.3066527E-02	-2.3699839E-02	1.5912214E-02
	1.4148186E-02	4.1581099F-02	1.7503235E-02	5.9460556E-03	1.1024108E-02
3.7539455E-04	-5.3918606E-02	5.2213119E-02	-3.2899721E-02	-2.1456436E-02	-5.5321558E-02
	-3.9983552E-02	3.6147754E-03	3.4093491E-03	-5.4616109E-02	-1.4841932E-02
	1.7794337E-02	-9.2378957F-03	-9.9850531E-03	-2.8991437E-02	-4.8990986E-03

Table 24

Fourier Coefficients Representing the 1 Mc/s Worldwide Distribution of Atmospheric Radio Noise, September-October November (2000-2400 Local Mean Time)

	ALPHA	BETA			
	3.0599999E 01	5.2202821E 00			
CHI	MIXED LATITUDINAL AND LONGITUDINAL COEFFICIENTS				
3.9231491E 01	-7.4891236E 00	4.3573618E-01	4.5573922E 00	-2.1632202E 00	-1.4193421E 00
	3.0919711E 00	-1.5777000E-01	3.0414977E 00	3.7288589E-01	3.5560161E-01
	8.3269644E-01	-2.3792378E-01	1.2817222E-01	-4.2725689E-01	3.4390810E-01
-2.9376690E 00	1.2280899E 00	-9.7431693E-01	2.0455430E 00	-1.8565363E 00	2.5816450E 00
	-1.2837379E-01	9.3714573E-01	3.4295144E-01	-8.8945541E-02	6.7453037E-01
	-5.1871256E-01	7.8160819E-03	1.4531474E-01	2.0804042E-02	1.4266175E-02
-2.1252152E 00	-1.1539216E 00	7.4827507E-02	-1.7378887E 00	8.0704943E-01	1.5221701E-01
	-1.0537572E 00	-2.8049957E-01	-1.7747755E 00	-6.8479945E-01	-1.3671814E-01
	-3.6634147E-01	6.1837793E-01	-3.8240951E-01	2.3689930E-01	-4.5679614E-01
1.4055252E 00	-3.6062351E 00	-2.5556914E-01	-1.5625668E-01	-3.9041770E-01	-1.6651142E 00
	-4.7551790E-01	-7.6557701E-01	-7.2608050E-01	2.4311779E-01	-7.9503435E-01
	2.2060152E-01	-4.2744323E-01	1.8941431E-02	2.0375664E-02	4.6369724E-02
-1.0160967E 00	-1.0906613E 00	5.6721017E-01	1.2643285E 00	5.4942617E-01	5.7721649E-01
	-1.1419794E-01	2.0904639E-01	9.8291254E-01	6.9132219E-01	2.8195610E-01
	4.4053156E-01	-4.5030207E-01	3.7578238E-01	-1.0391657E-01	1.8509822E-01
-5.4710330E-01	1.3743613E 00	-4.7811068E-01	3.7687299E-01	4.7637592E-01	3.1500866E-01
	3.2634189E-01	1.3388557E-01	4.2189607E-01	-2.4222302E-01	4.1713935E-01
	-2.9441307E-01	4.4918840E-01	-2.4496286E-02	1.6343319E-01	-6.2881232E-02
-1.7075687E 00	8.2518632E-01	5.6680547E-01	-4.8800141E-01	3.2838821E-01	-2.9720160E-01
	-1.8671696E-01	6.0388005E-02	-1.5424225E-01	-3.9706417E-01	-1.6141962E-01
	-4.2598858E-01	2.3452348E-01	-3.1034425E-01	-7.8382072E-02	-7.5560743E-02
1.8724545E 00	-1.5032860E 00	8.3096291E-01	-7.1935864E-01	-1.7219423E-01	-5.7353663E-01
	-2.1434177E-01	2.6801345E-01	-3.7555056E-01	2.3275921E-01	-3.0333132E-01
	2.7680105E-01	-2.9287231E-01	-3.9265471E-02	-1.3102587E-01	5.5492899E-02
-2.2972926E-01	5.4879910E-01	-9.5306895E-02	7.8598716E-02	-3.6038314E-01	3.2292336E-01
	5.9850047E-01	1.6967133F-01	-2.7170738E-02	2.3286828F-01	9.0054992E-02
	2.8408642E-01	-1.3802832E-01	3.2359998E-01	1.5584432E-02	7.8731435E-02
-1.4478340E-01	1.7293055E-01	-1.8033530E-01	-2.3894195E-01	9.8210257E-02	2.6215629E-01
	1.3566566E-01	-4.7548890E-01	2.5376843E-01	-4.5144582E-01	1.5390353E-01
	-1.0098860E-01	1.5310003E-01	-5.7530642E-02	-6.4194786E-02	-1.1774738E-01
-4.1394792E-01	8.9805899E-01	-3.0357235E-01	5.4050451E-02	-2.1783194E-01	-1.8884683E-01
	-1.2499691E-01	-1.5081543F-01	-5.5615876E-02	-9.5971298E-02	1.9078610E-03
	-2.1390883E-01	4.2662805E-02	-1.2800138E-01	6.7017847E-02	1.1479831E-01
7.6779246E-02	-7.3819485E-01	3.0343273F-01	6.5356508E-02	3.1786588E-01	1.8303867E-01
	-2.7123940E-01	3.8679362E-01	-1.7059248E-01	3.3680087E-01	-2.2180657E-02
	1.5833419E-01	-8.7045766E-02	4.3692517E-02	-3.8855091E-02	3.6650235E-02
4.3285314E-01	-3.5136951E-01	-2.6311989E-01	-1.0898376E-01	8.4494020E-02	1.2010774E-01
	5.8997244E-02	-1.3829693F-02	-9.5338737E-02	1.7307456E-01	-1.2003432E-01
	5.3412935E-02	-2.0417516E-02	2.3102509E-02	6.9347579E-02	-5.1162721E-02
-2.9725071E-01	1.1444227E-01	-1.4342644E-01	1.5881912E-01	4.7477061E-02	-1.2390949E-01
	2.1395420E-01	-3.0564415E-01	2.4099435E-01	-1.3295700E-01	9.7400056E-02
	-1.5289144E-01	1.5775995E-02	-3.3590574E-02	3.1029966E-02	-9.9243910E-02
1.4078091E-01	-4.3377349E-02	1.5849192E-02	8.0741748E-02	-9.1145377E-02	-1.1053419E-01
	-2.2312659E-01	-4.7409499E-02	1.0140400E-01	-1.4415626E-01	6.7531475E-02
	-5.0598863E-02	-2.6633799E-02	-3.2085032E-03	-5.6328725E-02	9.1442164E-03
-3.5983524E-01	4.2624052E-01	-6.1793624E-02	2.6989321E-01	-8.6112700E-02	1.4662253E-01
	4.0899339E-02	2.9275288E-01	-4.2685469E-02	2.1184512E-01	-1.7492453E-02
	1.0276579E-01	7.5968546E-02	9.4053667E-02	6.1875421E-02	9.4954643E-02
3.0882071E-01	-5.1498410E-01	1.9898371E-01	-2.7254318E-01	5.5978512E-02	-7.8264098E-02
	-1.3528260E-01	4.8978720E-02	-1.0409200E-01	-6.8419918E-02	-1.0837631E-01
	6.1653007E-02	1.7647050E-02	-4.9688320E-02	-5.0985401E-02	-5.7537613E-02
-1.0434274E-01	3.4775002E-01	-9.6107904E-02	-3.2820834E-02	-1.6412970E-01	-1.8011411E-01
	1.4555930E-01	-1.0764842E-01	2.7215891E-03	-1.3762147E-01	-7.3227857E-03
	-1.2265406E-01	-4.1340752E-03	-5.0328760E-02	1.9178875E-02	-3.0451310E-02
1.8450944E-01	-3.7376361E-01	1.0646756E-01	6.8760582E-04	3.4784983E-02	-9.4744514E-03
	5.9900020E-02	-6.6760670E-02	9.5433291E-02	-1.0182700E-01	6.4167872E-02
	5.5557042E-02	9.4899015E-03	2.2454867E-02	-3.7114086E-02	1.5676983E-03
-2.9557070E-01	5.8067477E-01	-1.0210592E-01	1.0801363E-01	-6.6481816E-02	2.4352795E-01
	-1.0861278E-01	1.5901403E-01	-6.8683607E-02	1.0951023E-01	-9.2614766E-03
	6.2670741E-02	-3.8307442E-02	2.9898653E-02	-3.6324683E-04	9.5399495E-02
-2.3255739E-02	-1.2547138E-01	2.9765576E-02	-3.2536984E-02	1.0953310E-01	2.9725295E-02
	6.8322487E-02	-3.7965360E-02	-6.6155152E-02	9.7541034E-02	1.8881227E-02
	-3.6816188E-02	2.5469659E-02	-5.8425431E-02	4.7868602E-02	-2.8725787E-02
1.9492649E-01	-2.9868562E-01	6.6513498E-02	-2.3650160E-01	5.5451739E-02	-6.3252494E-02
	-4.8373610E-02	-1.0474901E-01	-3.5022870E-02	-9.2551836E-02	-5.9943228E-03
	-2.6489535E-02	-5.6359269E-02	-3.8668539E-02	-7.2149411E-03	-5.5919793E-02
-6.7446449E-02	1.4102905E-01	-7.6678684E-02	1.3078665E-01	-2.9483757E-03	6.2303479E-03
	9.7261264E-02	-4.1982250E-02	7.6659104E-02	9.2416563E-02	7.1251426E-02
	-3.9581915E-02	-1.4106107E-02	7.3023983E-02	1.3147869E-02	4.5745430E-02
-2.4966284E-02	-6.4920042E-02	3.9836040F-02	3.2803374E-02	1.4162896E-02	2.3232665E-02
	-1.1474957E-01	2.1630717E-02	3.1792505E-02	3.6964684E-03	-4.5776526E-02
	6.4956859E-02	-1.7905451E-03	2.7726107E-02	-3.3239828E-02	2.5157802E-02
-2.3778143E-01	3.7678485E-01	-7.5656868E-02	7.3218610E-02	-6.0913851E-02	3.0421829E-02
	3.8413221E-02	8.7107327E-02	-2.7505386E-02	-7.0746468E-03	-2.6550050E-02
	-5.5287859E-02	2.5478755E-02	-3.4033307E-03	2.4706118E-02	-3.7775464E-02
3.0749444E-01	-4.9433933E-01	1.0399315E-01	-1.1967733E-01	6.4556119E-02	-1.7913210E-01
	-9.4003212E-03	-6.5552079E-02	1.3093915E-02	-4.2051447E-02	-2.5825775E-02
	-6.2301011E-03	4.0403648E-02	-3.7444652E-02	-2.4945236E-03	-3.2290433E-02
-8.2046092E-02	1.9936378E-01	4.5251163E-03	1.8428609E-02	-5.1692662E-02	2.9530871E-02
	-1.8405347E-02	8.2839255E-02	2.8005705E-02	5.5863904E-03	-8.4384618E-04
	5.2284601E-02	-2.7405821E-02	1.3873502E-02	-2.3462646E-02	3.6315709E-02
-1.1690934E-02	-1.0786480E-02	-4.3742323E-02	6.3919561E-02	-1.2403338E-03	2.9671699E-02
	7.2088833E-02	-3.3153176E-02	-8.9734793E-03	-2.3808411E-03	2.9665683E-02
	-2.3924745E-02	3.4581207E-02	2.4648577E-02	-1.1936328E-02	-1.3115826E-02
-9.6702821E-02	8.5998967E-02	1.9341071E-02	-2.9170899E-02	1.5141063E-02	4.1484378E-02
	-5.5324062E-02	2.4575269E-02	-1.0910652E-02	-3.2028145E-02	-4.6697177E-02
	3.9774433E-02	5.7954413E-04	-1.9931968E-02	-6.1432427E-03	-5.1807714E-03

Table 25

ARRANGEMENT OF POWER SERIES COEFFICIENTS
FOR TABLES 27 THROUGH 30
(See Appendix II)

TIME BLOCKS

00-04	04-08	08-12	12-16	16-20	20-24
Frequency Dependence (Northern Hemisphere)					
FAM(1,1)	FAM(1,2)	FAM(1,3)	FAM(1,4)	FAM(1,5)	FAM(1,6)
FAM(2,1)	FAM(2,2)	FAM(2,3)	FAM(2,4)	FAM(2,5)	FAM(2,6)
.	.	.	.	.	.
.	.	.	.	.	FAM(14,6)
Frequency Dependence (Southern Hemisphere)					
FAM(1,7)	FAM(1,8)	FAM(1,9)	FAM(1,10)	FAM(1,11)	FAM(1,12)
FAM(2,7)	FAM(2,8)	FAM(2,9)	FAM(2,10)	FAM(2,11)	FAM(2,12)
.	.	.	.	.	.
.	.	.	.	.	FAM(14,12)
DU (Northern Hemisphere)					
DUD(1,1,1)	DUD(1,2,1)	DUD(1,3,1)	DUD(1,4,1)	DUD(1,5,1)	DUD(1,6,1)
DUD(2,1,1)	DUD(2,2,1)	DUD(2,3,1)	DUD(2,4,1)	DUD(2,5,1)	DUD(2,6,1)
.	.	.	.	.	.
.	.	.	.	.	DUD(5,6,1)
DU (Southern Hemisphere)					
DUD(1,7,1)	DUD(1 8.1)	DUD(1,9,1)	DUD(1,10,1)	DUD(1,11,1)	DUD(1,12,1)
DUD(2,7,1)	DUD(2,8.1)	DUD(2,9,1)	DUD(2,10,1)	DUD(2,11,1)	DUD(2,12,1)
.	.	.		.	.
.	.	.	.	.	DUD(5,12,1)
DL (Northern Hemisphere)					
DUD(1,1,2)	DUD(1,2,2)	DUD(1,3,2)	DUD(1,4,2)	DUD(1,5,2)	DUD(1,6,2)
.	.	.	.	.	.
.	.	.	.	.	DUD(5,6,2)
DL (Southern Hemisphere)					
DUD(1,7,2)	DUD(1,8,2)	DUD(1,9,2)	DUD(1,10,2)	DUD(1,11,2)	DUD(1,12,2)
.	.	.	.	.	.
.	.	.	.	.	.
DUD(5,7,2)	DUD(5,8,2)	DUD(5,9,2)	DUD(5,10,2)	DUD(5,11,2)	DUD(5,12,2)

Table 26

Power Series Coefficients Representing the Frequency Dependence and Distribution of Atmospheric Noise - Winter

TIME BLOCKS

00 - 04	04 - 08	08 - 12	12 - 16	16 - 20	20 - 24
FREQUENCY DEPENDENCE (NORTHERN HEMISPHERE)					
5.1464396E-03	7.5598661E-03	6.4431812E-04	-7.7358635E-04	4.7935808E-03	7.5132148E-03
-2.1874073E-02	-3.1284123E-02	-2.1885861E-03	-1.2374851E-03	-2.0086448E-02	-3.1190486E-02
-5.3265774E-02	-5.7129856E-02	-3.8541876E-02	-1.0759584E-02	-5.2335115E-02	-7.0445139E-02
2.3485862E-01	2.6515074E-01	1.3823060E-01	1.1765277E-01	2.1836369E-01	2.9776482E-01
9.3090396E-02	3.4857854E-02	1.4159342E-01	3.0344274E-02	1.1949617E-01	1.4221385E-01
-5.2714667E-01	-4.8079920E-01	-6.3263597E-01	-5.4932964E-01	-5.2892510E-01	-5.9214756E-01
7.2661293E-01	8.1514313E-01	5.3708674E-01	6.1035067E-01	7.0268744E-01	6.9095528E-01
-4.0462420E-01	-4.8874449E-01	1.3336874E-01	2.5867958E-01	-2.4503308E-01	-5.1815356E-01
1.7321095E 00	2.0165651E 00	-1.5656420E-01	-5.6593907E-01	9.7256898E-01	2.1326680E 00
4.6754704E 00	4.5076702E 00	-4.5337248E-01	-1.7218062E 00	3.4270667E 00	5.4322478E 00
-2.1917779E 01	-2.1965428E 01	-9.0273744E 00	-5.8219453E 00	-1.5965903E 01	-2.4450892E 01
-6.2582144E 00	-9.8616028E-01	1.2710892E 01	1.6671449E 01	-1.8885631E 00	-7.4510769E 00
2.4616179E 01	2.1699456E 01	1.8181485E 01	1.3845789E 01	2.2249658E 01	2.9032140E 01
7.3174758E 00	2.1794727E 00	4.5146703E 00	2.2940871E 00	7.0567941E 00	9.7249165E 00
FREQUENCY DEPENDENCE (SOUTHERN HEMISPHERE)					
3.0143955E-03	-2.2845696E-03	-7.5274411E-04	-1.3997095E-03	-3.6564795E-03	3.3167374E-04
-1.3958785E-02	-1.1765908E-03	-3.7619833E-03	-1.5487762E-03	4.5869794E-03	-8.3206859E-03
-2.7567580E-02	2.4051259E-02	5.2770951E-03	4.8204224E-03	3.2040968E-02	-4.5952060E-04
1.6856721E-01	1.0463027E-01	1.2206943E-01	1.1480539E-01	6.0028845E-02	1.4311093E-01
-3.6980309E-02	-1.5088457E-01	-1.0070603E-01	-5.9997109E-02	-1.4929356E-01	-9.4815058E-02
-4.7263805E-01	-4.5339737E-01	-5.0750125E-01	-4.9003121E-01	-3.8420528E-01	-4.6252675E-01
8.2445444E-01	7.5110295E-01	7.0779588E-01	6.9604462E-01	7.7892180E-01	8.4676390E-01
-3.0476368E-01	5.2602189E-02	7.8407382E-02	1.9581196E-01	3.0842602E-01	-5.7306319E-02
1.3392726E 00	5.0137264E-01	2.8305843E-01	-1.5927426E-01	-4.4212906E-01	7.2664566E-01
3.1315548E 00	-6.8688268E-01	-1.2244095E 00	-1.6802038E 00	-2.6451535E 00	6.7443838E-01
-1.8412520E 01	-1.3906543E 01	-1.0959831E 01	-8.6921585E 00	-7.2818758E 00	-1.5076057E 01
3.8431763E 00	1.4617926E 01	1.9799508E 01	1.8380329E 01	1.8911183E 01	1.0063312E 01
2.4079279E 01	2.1927978E 01	1.4974221E 01	1.2803221E 01	1.4034052E 01	2.2037366E 01
1.0766247E 00	4.1730763E 00	-1.9565070E 00	-1.3030351E 00	2.0163780E-01	-1.5549285E 00
OU (NORTHERN HEMISPHERE)					
6.0209275E-01	2.1340638E-01	-1.9555985E 00	-1.6651338E 00	-2.8739800E-01	-1.8917620E-01
6.5778819E-01	8.5388710E-01	-2.1205268E-01	1.2117138E-01	4.4589695E-01	-8.3425864E-02
-4.1046134E 00	-4.0685837E 00	3.7298402E 00	3.2738994E 00	-2.4546834E 00	-2.0347731E 00
-2.5166600E 00	-3.9695986E 00	-2.6170116E 00	-2.8402774E 00	-3.2955722E 00	-1.6193680E 00
1.0600909E 01	1.3791575E 01	9.1979216E 00	9.3408259E 00	1.3676551E 01	1.0342979E 01
OU (SOUTHERN HEMISPHERE)					
1.0632049E 00	1.3976116E 00	1.4660566E 00	1.2005752E 00	1.2081916E 00	1.1392663E 00
1.1593890E 00	1.1515625E 00	1.9263401E 00	-2.3964122E-02	1.1658406E-01	2.0747147E 00
-4.3297605E 00	-7.8835601E 00	-7.2381649E 00	-8.4895499E 00	-8.0678885E 00	-3.2627040E 00
-2.5652402E 00	-3.6707661E 00	-4.6941070E 00	-9.2496518E-01	-1.1817305E 00	-3.8453463E 00
9.7716473E 00	1.6127013E 01	1.6370249E 01	1.8977912E 01	1.7165843E 01	8.2028161E 00
OL (NORTHERN HEMISPHERE)					
3.7486929E-01	1.7813529E-01	-1.8116861E 00	-1.7880262E 00	-7.1384400E-01	-5.4076995E-01
3.1564012E-01	3.2218151E-01	-1.4920878E 00	-1.6136066E 00	-8.5257655E-01	-7.3759924E-01
-3.0003346E 00	-3.8502192E 00	3.3302979E 00	3.4342778E 00	-1.4325795E 00	-6.8667439E-01
-1.8057770E 00	-2.9635462E 00	4.1285570E-01	8.9947309E-01	-9.8679343E-01	-3.1564179E-01
8.2776666E 00	1.1999329E 01	6.2525381E 00	5.8376649E 00	1.1112038E 01	7.8052481E 00
OL (SOUTHERN HEMISPHERE)					
5.6810469E-01	-9.8571727E-02	3.3805420E-01	1.6123230E 00	1.0424289E 00	4.3483636E-01
5.3066228E-01	-3.2132708E-01	1.3994567E 00	1.6955148E 00	1.9244705E-01	7.4837818E-01
-3.6617504E 00	-4.0435092E 00	-2.8583916E 00	-7.9285545E 00	-7.5462748E 00	-2.0943523E 00
-2.0830088E 00	-2.1118134E 00	-4.5804893E 00	-4.2703484E 00	-1.7737439E 00	-2.0550801E 00
9.4660861E 00	1.3757253E 01	1.1329406E 01	1.5791625E 01	1.6037100E 01	7.2837164E 00

Table 27

Power Series Coefficients Representing the Frequency Dependence and Distribution of Atmospheric Noise - Vernal Equinox

TIME BLOCKS

00 - 04	04 - 08	08 - 12	12 - 16	16 - 20	20 - 24
FREQUENCY DEPENDENCE (NORTHERN HEMISPHERE)					
2.6227150E-03	-3.0928853E-03	9.2504994E-04	-1.8928761E-03	-4.0659133E-03	3.2872957E-03
-1.5435276E-02	3.3566042E-03	-8.1007290E-03	1.1748273E-04	6.6289030E-03	-1.8200176E-02
-2.6706372E-02	2.5736444E-02	-2.1237181E-02	3.1218262E-03	2.8338014E-02	-3.0299053E-02
1.9057717E-01	6.2825124E-02	1.6661943E-01	1.1442644E-01	5.4493614E-02	2.0779780E-01
1.8883627E-02	-1.2774835E-01	3.2303508E-02	-1.3008267E-02	-9.9406906E-02	2.8095663E-02
-4.5043527E-01	-3.4887758E-01	-5.9817472E-01	-5.2247759E-01	-3.8805703E-01	-4.7896751E-01
7.9810921E-01	7.8560690E-01	6.2563424E-01	6.4463009E-01	7.3731906E-01	7.8167334E-01
-2.5529960E-01	1.5706237E-01	9.7660960E-02	2.4834855E-01	3.2389405E-01	-2.7009737E-01
1.3464320E 00	2.0586997E-02	1.5103476E-01	-3.4669304E-01	-5.7892625E-01	1.3902068E 00
3.0176706E 00	-1.0421569E 00	-8.1605343E-01	-2.0406075E 00	-2.2557144E 00	2.9772045E 00
-1.9309806E 01	-1.0353239E 01	-1.0792174E 01	-7.4774508E 00	-6.6829098E 00	-1.9347779E 01
-7.3266268E-01	1.2813055E 01	1.5728586E 01	1.8250356E 01	1.5031157E 01	1.4394426E-01
2.1423349E 01	1.5530053E 01	1.7272884E 01	1.3019752E 01	1.4323193E 01	2.2882956E 01
3.1892639E 00	2.7632983E 00	1.5702502E 00	-3.1375289E-02	3.5976484E 00	3.9221281E 00
FREQUENCY DEPENDENCE (SOUTHERN HEMISPHERE)					
2.6060968E-03	4.7218759E-03	5.7919370E-03	1.2819985E-03	1.9544206E-03	3.7517258E-03
-1.6966518E-02	-2.2817850E-02	-2.5804536E-02	-9.2396140E-03	-9.6202585E-03	-2.0696537E-02
-2.2286011E-02	-3.6320554E-02	-5.1842800E-02	-2.0020832E-02	-2.9889922E-02	-3.2482501E-02
2.0199396E-01	2.2382304E-01	2.7412141E-01	1.6583351E-01	1.4879695E-01	2.2678871E-01
3.9072967E-03	4.5731775E-03	5.2010863E-02	-3.8523823E-03	4.5721579E-02	3.4854501E-02
-4.7280531E-01	-4.5875562E-01	-6.7573414E-01	-5.6597695E-01	-4.3862613E-01	-5.0311006E-01
7.9619034E-01	8.2435732E-01	6.3235173E-01	6.6906922E-01	7.5903333E-01	7.6697643E-01
-2.5430293E-01	-3.8882837E-01	-1.3797437E-01	6.0975115E-02	-1.3779156E-01	-3.0288481E-01
1.5137575E 00	1.7861163E 00	9.7379231E-01	1.8205184E-01	6.0554971E-01	1.5897481E 00
2.6202258E 00	3.5648251E 00	7.6400372E-01	-5.3942311E-01	2.3795970E 00	3.0684651E 00
-2.0458629E 01	-2.1037028E 01	-1.5721352E 01	-1.0469860E 01	-1.3357272E 01	-2.0733835E 01
1.6717672E-01	1.3975506E 00	1.4068001E 01	1.6559177E 01	2.7394866E 00	-2.3981667E-01
2.1683289E 01	2.1358209E 01	2.1297837E 01	1.6481370E 01	1.7625039E 01	2.3773712E 01
2.1682355E 00	9.6474147E-01	1.6616210E 00	-1.8865955E-01	3.0657970E 00	4.2926189E 00
DU (NORTHERN HEMISPHERE)					
6.1588786E-01	3.3454004E-01	-2.6616533E-01	-6.1616036E-02	3.0021285E-01	3.7701147E-01
8.1645436E-01	3.7053223E-01	1.3081144E 00	9.1250136E-01	4.4841720E-01	1.2899525E 00
-3.4629388E 00	-5.0582174E 00	-1.5423191E 00	-3.5075024E 00	-5.5320174E 00	-1.9715557E 00
-2.3785879E 00	-3.0023298E 00	-4.8689203E 00	-4.2655707E 00	-3.5394610E 00	-3.5190687E 00
1.0272583E 01	1.5571978E 01	1.3726342E 01	1.7167754E 01	1.8221686E 01	9.4808806E 00
DU (SOUTHERN HEMISPHERE)					
4.2504217E-02	8.6918975E-01	-1.1961900E-01	1.8867271E-01	1.1895173E 00	5.4540311E-02
-7.8394411E-02	1.2143621E 00	1.6025378E 00	1.3323237E 00	1.5659154E 00	5.4337309E-01
-2.5503042E 00	-6.2795712E 00	-2.1933574E 00	-3.7452822E 00	-6.9830972E 00	-1.7019057E 00
-1.5530682E 00	-4.5725543E 00	-5.9154116E 00	-5.2610011E 00	-4.9773872E 00	-2.6123115E 00
9.9267350E 00	1.5951836E 01	1.4608864E 01	1.6214465E 01	1.6999597E 01	9.3688966E 00
DL (NORTHERN HEMISPHERE)					
1.4649943E-01	-7.2357706E-01	-8.1145555E-01	-3.4241938E-01	-5.5001942E-01	-1.4897881E-01
8.6212318E-02	-1.0583334E 00	6.4154509E-01	1.1745612E 00	-3.5416619E-01	2.5736368E-01
-2.6299304E 00	-2.5348722E 00	5.8031774E-01	-1.2063188E 00	-2.9281358E 00	-1.2365579E 00
-1.7643669E 00	-1.1677008E 00	-3.9940461E 00	-5.0199880E 00	-2.6483033E 00	-2.2190278E 00
9.5799537E 00	1.3495575E 01	9.9061196E 00	1.2457008E 01	1.5117802E 01	8.6512905E 00
DL (SOUTHERN HEMISPHERE)					
6.2592856E-02	2.1311697E-01	-1.7419565E 00	-9.5946746E-01	4.8759024E-01	-4.4542298E-01
-1.3725927E-01	2.3655625E-01	-2.0853697E-01	5.3315131E-01	5.8765342E-01	-5.2785048E-01
-2.6528080E 00	-4.5243344E 00	3.3311733E 00	8.9675072E-01	-5.1384158E 00	-8.3246688E-01
-1.4522073E 00	-3.0803050E 00	-2.9731869E 00	-4.0423176E 00	-3.6732329E 00	-9.7600448E-01
9.5412287E 00	1.4135533E 01	8.4271665E 00	1.0499453E 01	1.4705382E 01	8.0387894E 00

Table 28

Power Series Coefficients Representing the Frequency Dependence and Distribution of Atmospheric Noise - Summer

TIME BLOCKS

00 - 04	04 - 08	08 - 12	12 - 16	16 - 20	20 - 24
FREQUENCY DEPENDENCE (NORTHERN HEMISPHERE)					
3.0143955E-03	-2.2845696E-03	-7.5274411E-04	-1.3997095E-03	-3.6564795E-03	3.3167374E-04
-1.3958785E-02	-1.1765908E-03	-3.7619833E-03	-1.5487762E-03	4.5869794E-03	-8.3206859E-03
-2.7567580E-02	2.4051259E-02	5.2770951E-03	4.8204224E-03	3.2040968E-02	-4.5952060E-04
1.6856721E-01	1.0463027E-01	1.2206943E-01	1.1480539E-01	6.0028845E-02	1.4311093E-01
-3.6980309E-02	-1.5088457E-01	-1.0070603E-01	-5.9997109E-02	-1.4929356E-01	-9.4815058E-02
-4.7263805E-01	-4.5339737E-01	-5.0750125E-01	-4.9003121E-01	-3.8420528E-01	-4.6252675E-01
8.2445444E-01	7.5110295E-01	7.0779588E-01	6.9604462E-01	7.7892180E-01	8.4676390E-01
-3.0476368E-01	5.2602189E-02	7.8407382E-02	1.9581196E-01	3.0842602E-01	-5.7306319E-02
1.3392726E 00	5.0137264E-01	2.8305843E-01	-1.5927426E-01	-4.4212906E-01	7.2664566E-01
3.1315548E 00	-6.8688268E-01	-1.2244095E 00	-1.6802038E 00	-2.6451535E 00	6.7443838E-01
-1.8412520E 01	-1.3906543E 01	-1.0959831E 01	-8.6921585E 00	-7.2818758E 00	-1.5076057E 01
3.8431763E 00	1.4617926E 01	1.9799508E 01	1.8380329E 01	1.8911183E 01	1.0063312E 01
2.4079279E 01	2.1927978E 01	1.4974221E 01	1.2803221E 01	1.4034052E 01	2.2037366E 01
1.0766247E 00	4.1730763E 00	-1.9565070E 00	-1.3030351E 00	2.0163780E-01	-1.5549285E 00
FREQUENCY DEPENDENCE (SOUTHERN HEMISPHERE)					
5.1464396E-03	7.5598661E-03	6.4431812E-04	-7.7358635E-04	4.7935808E-03	7.5132148E-03
-2.1874073E-02	-3.1284123E-02	-2.1885861E-03	-1.2374851E-03	-2.0086448E-02	-3.1190486E-02
-5.3265774E-02	-5.7129856E-02	-3.8541876E-02	-1.0759584E-02	-5.2335115E-02	-7.0445139E-02
2.3485862E-01	2.6515074E-01	1.3823060E-01	1.1765277E-01	2.1836369E-01	2.9776482E-01
9.3090396E-02	3.4857854E-02	1.4159342E-01	3.0344274E-02	1.1949617E-01	1.4221385E-01
-5.2714667E-01	-4.8079920E-01	-6.3263597E-01	-5.4932964E-01	-5.2892510E-01	-5.9214756E-01
7.2661293E-01	8.1514313E-01	5.3708674E-01	6.1035067E-01	7.0268744E-01	6.9095528E-01
-4.0462420E-01	-4.8874449E-01	1.3336874E-01	2.5867958E-01	-2.4503308E-01	-5.1815356E-01
1.7321095E 00	2.0165651E 00	-1.5656420E-01	-5.6593907E-01	9.7256898E-01	2.1326680E 00
4.6754704E 00	4.5076702E 00	-4.5337248E-01	-1.7218062E 00	3.4270667E 00	5.4322478E 00
-2.1917779E 01	-2.1965428E 01	-9.0273744E 00	-5.8219453E 00	-1.5965903E 01	-2.4450892E 01
-6.2582144E 00	-9.8616028E-01	1.2710892E 01	1.6671449E 01	-1.8885631E 00	-7.4510769E 00
2.4616179E 01	2.1699456E 01	1.8181485E 01	1.3845789E 01	2.2249658E 01	2.9032140E 01
7.3174758E 00	2.1794727E 00	4.5146703E 00	2.2940871E 00	7.0567941E 00	9.7249165E 00
DU (NORTHERN HEMISPHERE)					
1.0632049E 00	1.3976116E 00	1.4660566E 00	1.2005752E 00	1.2081916E 00	1.1392663E 00
1.1593890E 00	1.1515625E 00	1.9263401E 00	-2.3964122E-02	1.1658406E-01	2.0747147E 00
-4.3297605E 00	-7.8835601E 00	-7.2381649E 00	-8.4895499E 00	-8.0678885E 00	-3.2627040E 00
-2.5652402E 00	-3.6707661E 00	-4.6941070E 00	-9.2496518E-01	-1.1817305E 00	-3.8453463E 00
9.7716473E 00	1.6127013E 01	1.6370249E 01	1.8977912E 01	1.7165843E 01	8.2028161E 00
DU (SOUTHERN HEMISPHERE)					
6.0209275E-01	2.1340638E-01	-1.9555985E 00	-1.6651338E 00	-2.8739800E-01	-1.8917620E-01
6.5778819E-01	8.5388710E-01	-2.1205268E-01	1.2117138E-01	4.4589695E-01	-8.3425864E-02
-4.1046134E 00	-4.0685837E 00	3.7298402E 00	3.2738994E 00	-2.4546834E 00	-2.0347731E 00
-2.5166600E 00	-3.9695986E 00	-2.6170116E 00	-2.8402774E 00	-3.2955722E 00	-1.6193680E 00
1.0600909E 01	1.3791575E 01	9.1979216E 00	9.3408259E 00	1.3676551E 01	1.0342979E 01
DL (NORTHERN HEMISPHERE)					
5.6810469E-01	-9.8571727E-02	3.3805420E-01	1.6123230E 00	1.0424289E 00	4.3483636E-01
5.3066228E-01	-3.2132708E-01	1.3994567E 00	1.6955148E 00	1.9244705E-01	7.4837818E-01
-3.6617504E 00	-4.0435092E 00	-2.8583916E 00	-7.9285545E 00	-7.5462748E 00	-2.0943523E 00
-2.0830088E 00	-2.1118134E 00	-4.5804893E 00	-4.2703484E 00	-1.7737439E 00	-2.0550801E 00
9.4660861E 00	1.3757253E 01	1.1329406E 01	1.5791625E 01	1.6037100E 01	7.2837164E 00
DL (SOUTHERN HEMISPHERE)					
3.7486929E-01	1.7813529E-01	-1.8116861E 00	-1.7880262E 00	-7.1384400E-01	-5.4076995E-01
3.1564012E-01	3.2218151E-01	-1.4920878E 00	-1.6136066E 00	-8.5257655E-01	-7.3759924E-01
-3.0003346E 00	-3.8502192E 00	3.3302979E 00	3.4342778E 00	-1.4325795E 00	-6.8667439E-01
-1.8057770E 00	-2.9635462E 00	4.1285570E-01	8.9947309E-01	-9.8679343E-01	-3.1564179E-01
8.2776666E 00	1.1999329E 01	6.2525381E 00	5.8376649E 00	1.1112038E 01	7.8052481E 00

Table 29

Power Series Coefficients Representing the Frequency Dependence and Distribution of Atmospheric Noise - Autumnal Equinox

TIME BLOCKS

00 - 04	04 - 08	08 - 12	12 - 16	16 - 20	20 - 24
FREQUENCY DEPENDENCE (NORTHERN HEMISPHERE)					
2.6060968E-03	4.7218759E-03	5.7919370E-03	1.2819985E-03	1.9544206E-03	3.7517258E-03
-1.6966518E-02	-2.2817850E-02	-2.5804536E-02	-9.2396140E-03	-9.6202585E-03	-2.0696537E-02
-2.2286011E-02	-3.6320554E-02	-5.1842800E-02	-2.0020832E-02	-2.9889922E-02	-3.2482501E-02
2.0199396E-01	2.2382304E-01	2.7412141E-01	1.6583351E-01	1.4879695E-01	2.2678871E-01
3.9072967E-03	4.5731775E-03	5.2010863E-02	-3.8523823E-03	4.5721579E-02	3.4854501E-02
-4.7280531E-01	-4.5875562E-01	-6.7573414E-01	-5.6597695E-01	-4.3862613E-01	-5.0311006E-01
7.9619034E-01	8.2435732E-01	6.3235173E-01	6.6906922E-01	7.5903333E-01	7.6697643E-01
-2.5430293E-01	-3.8882837E-01	-1.3797437E-01	6.0975115E-02	-1.3779156E-01	-3.0288481E-01
1.5137575E 00	1.7861163E 00	9.7379231E-01	1.8205184E-01	5.0554971E-01	1.5897481E 00
2.6202258E 00	3.5648251E 00	7.6400372E-01	-5.3942311E-01	2.3795970E 00	3.0684651E 00
-2.0458629E 01	-2.1037028E 01	-1.5721352E 01	-1.0469860E 01	-1.3357272E 01	-2.0733835E 01
1.6717672E-01	1.3975506E 00	1.4068001E 01	1.6559177E 01	2.7394866E 00	-2.3981667E-01
2.1683289E 01	2.1358209E 01	2.1297837E 01	1.6481370E 01	1.7625039E 01	2.3773712E 01
2.1682355E 00	9.6474147E-01	1.6616210E 00	-1.8865955E-01	3.0657970E 00	4.2926189E 00
FREQUENCY DEPENDENCE (SOUTHERN HEMISPHERE)					
2.6227150E-03	-3.0928853E-03	9.2504994E-04	-1.8928761E-03	-4.0659133E-03	3.2872957E-03
-1.5435276E-02	3.3566042E-03	-8.1007290E-03	1.1748273E-04	6.6289030E-03	-1.8200176E-02
-2.6706372E-02	2.5736444E-02	-2.1237181E-02	3.1218262E-03	2.8338014E-02	-3.0299053E-02
1.9057717E-01	6.2825124E-02	1.6661943E-01	1.1442644E-01	5.4493614E-02	2.0779780E-01
1.8883627E-02	-1.2774835E-01	3.2303508E-02	-1.3008267E-02	-9.9406906E-02	2.8095663E-02
-4.5043527E-01	-3.4887758E-01	-5.9817472E-01	-5.2247759E-01	-3.8805703E-01	-4.7896751E-01
7.9810921E-01	7.8960690E-01	6.2563424E-01	6.4463009E-01	7.3731906E-01	7.8167334E-01
-2.5529960E-01	1.5706237E-01	9.7660960E-02	2.4834855E-01	3.2389405E-01	-2.7009737E-01
1.3464320E 00	2.0586997E-02	1.5103476E-01	-3.4669304E-01	-5.7892625E-01	1.3902068E 00
3.0176706E 00	-1.0421569E 00	-8.1605343E-01	-2.0406075E 00	-2.2557144E 00	2.9772045E 00
-1.9309806E 01	-1.0353239E 01	-1.0792174E 01	-7.4774508E 00	-6.6829098E 00	-1.9347779E 01
-7.3266268E-01	1.2813055E 01	1.5728586E 01	1.8250356E 01	1.5031157E 01	1.4394426E-01
2.1423349E 01	1.5530053E 01	1.7272884E 01	1.3019752E 01	1.4323193E 01	2.2882956E 01
3.1892639E 00	2.7632983E 00	1.5702502E 00	-3.1375289E-02	3.5976484E 00	3.9221281E 00
DU (NORTHERN HEMISPHERE)					
4.2504217E-02	8.6918975E-01	-1.1961900E-01	1.8867271E-01	1.1895173E 00	5.4540311E-02
-7.8394411E-02	1.2143621E 00	1.6025378E 00	1.3323237E 00	1.5659154E 00	5.4337308E-01
-2.5503042E 00	-6.2795712E 00	-2.1933574E 00	-3.7452822E 00	-6.9830972E 00	-1.7019057E 00
-1.5530682E 00	-4.5725543E 00	-5.9154116E 00	-5.2610011E 00	-4.9773872E 00	-2.6123115E 00
9.9267350E 00	1.5951836E 01	1.4608864E 01	1.6214465E 01	1.6999597E 01	9.3688966E 00
DU (SOUTHERN HEMISPHERE)					
6.1588786E-01	3.3454004E-01	-2.6616533E-01	-6.1616036E-02	3.0021285E-01	3.7701147E-01
8.1645436E-01	3.7053223E-01	1.3081144E 00	9.1250136E-01	4.4841720E-01	1.2899525E 00
-3.4629388E 00	-5.0582174E 00	-1.5423191E 00	-3.5075024E 00	-5.5320174E 00	-1.9715557E 00
-2.3785879E 00	-3.0023298E 00	-4.8689203E 00	-4.2655707E 00	-3.5394610E 00	-3.5190687E 00
1.0272583E 01	1.5571978E 01	1.3726342E 01	1.7167754E 01	1.8221686E 01	9.4808806E 00
DL (NORTHERN HEMISPHERE)					
6.2592856E-02	2.1311697E-01	-1.7419565E 00	-9.5946746E-01	4.8759024E-01	-4.4542298E-01
-1.3725927E-01	2.3655625E-01	-2.0853697E-01	5.3315131E-01	5.8765342E-01	-5.2785048E-01
-2.6528080E 00	-4.5243344E 00	3.3311733E 00	8.9675072E-01	-5.1384158E 00	-8.3246688E-01
-1.4522073E 00	-3.0803050E 00	-2.9731869E 00	-4.0423176E 00	-3.6732329E 00	-9.7600448E-01
9.5412287E 00	1.4135533E 01	8.4271665E 00	1.0499453E 01	1.4705382E 01	8.0387894E 00
DL (SOUTHERN HEMISPHERE)					
1.4649943E-01	-7.2357706E-01	-8.1145555E-01	-3.4241938E-01	-5.5001942E-01	-1.4897881E-01
8.6212318E-02	-1.0583334E 00	6.4154509E-01	1.1745612E 00	-3.5416619E-01	2.5736368E-01
-2.6299304E 00	-2.5348722E 00	5.8031774E-01	-1.2063188E 00	-2.9281358E 00	-1.2365579E 00
-1.7643669E 00	-1.1677008E 00	-3.9940461E 00	-5.0199880E 00	-2.6483033E 00	-2.2190278E 00
9.5799537E 00	1.3495575E 01	9.9061196E 00	1.2457008E 01	1.5117802E 01	8.6512905E 00

Table 30

9. REFERENCES

CCIR Report 322 (Geneva, 1964) , World distribution and characteristics of atmospheric radio noise.

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APPENDIX I

EVALUATION OF FOURIER FUNCTIONS FOR GEOGRAPHIC DISTRIBUTIONS

The Fortran II subroutine for calculating values of atmospheric noise as a function of geographic latitude and longitude is tabulated on the next page. It uses the addition formula

$$\sin iX = \sin (i-1) X \cdot \cos X + \cos (i-1) X \cdot \sin X.$$

The variables appearing in the subroutine are:

KJ = index of hour block maps

XLA = geographic latitude of receiving antenna - degrees

CEG = geographic longitude of receiving antenna - degrees

ANOS = value of expected 1 Mc/ s atmospheric radio noise - db > ktb

P = matrix of Fourier coefficients

ABP = matrix containing alpha and beta

ZZ = list containing generated coefficients in latitude

```
      SUBROUTINE NOISE(KJ,XLA,CEG,ANOS)
C     ROUTINE TO EVALUATE NOISE GRADE FROM CCIR 322
C     KJ = HOUR BLOCK ( 1 = 00-04, 2 = 04-08, ETC.)
C     XLA = LATITUDE OF RECEIVER ( + = NORTH ... - = SOUTH)
C     CEG = LONGITUDE ( 0 TO 360 DEGREES EAST OF GREENWICH)
      DIMENSION SX(15),ZZ(29),P(29,16,6),ABP(2,6)
      COMMON ABP,P
      ALF=ABP(1,KJ)
      BET=ABP(2,KJ)
 9703 Q=.0087266466*CEG
      C1=COSF(Q)
      S1=SINF(Q)
      SX(1)=S1
      CX=C1
      DO 155 K=2,15
      TX=SX(K-1)
      SX(K)=TX*C1+CX*S1
  155 CX=CX*C1-TX*S1
      DO 56 J=1,29
      R=0.
      DO 55 K=1,15
   55 R=R+SX(K)*P(J,K,KJ)
   56 ZZ(J)=R+P(J,16,KJ)
      Q=.01745329252*(XLA+90.)
      S1=SINF(Q)
      C1=COSF(Q)
      SX=S1
      CX=C1
      R=0.
      DO 57 K=1,29
      R=R+SX*ZZ(K)
      SS=SX*C1+CX*S1
      CX=CX*C1-SX*S1
   57 SX=SS
  150 ANOS = R+ALF+BET*Q
      RETURN
      END
```

APPENDIX II

EVALUATION OF THE POWER SERIES FUNCTIONS REPRESENTING THE FREQUENCY DEPENDENCE AND VARIABILITY MAPS

The routine for calculating values of frequency dependence and variability as a function of frequency follows on the next page.

The variables appearing in the subroutine are:

X2 = geographic latitude of receiving antenna

IBLK = index of hour block and hemispheric maps

FREQ = operating frequency - Mc/s

Z = median value of atmospheric radio noise (1 Mc/s) db > ktb

FA = median value of atmospheric radio noise at operating frequency - db > 1 watt

Du = upper decile value of atmospheric radio noise at operating frequency - db > median value

Dℓ = lower decile value of atmospheric radio noise at operating frequency - db < median value

```
      SUBROUTINE FREDEP(X2,IBLK,FREQ,Z,FA,DU,DL)
C     ROUTINE TO EVALUATE FREQUENCY DEPENDENCE OF RADIO NOISE,
C     AND THE NOISE DECILES, DU AND DL.
C     X2 = LATITUDE OF RECEIVER ( + = NORTH ... - = SOUTH)
C     IBLK = HOUR BLOCK ( 1 = 00-04, 2 = 04-08, ETC.)
C     FREQ = FREQUENCY IN MC/S
C     Z = NOISE GRADE FROM SUBROUTINE NOISE
      DIMENSION DUD(5,12,2),FAM(14,12),V(2)
      DIMENSION ABP(2,6),P(29,16,6)
      COMMON ABP,P
      COMMON DUD,FAM
      IBK=IBLK
      IF(X2) 5,10,10
    5 IBK=IBK+6
   10 U1=-.75
      X=.43429*LOGF(FREQ)
      U=(8.*2.**X-11.)/4.
      KOP=1
   15 PZ=U1*FAM(1,IBK)+FAM(2,IBK)
      PX=U1*FAM(8,IBK)+FAM(9,IBK)
      DO 20 I=3,7
      PZ=U1*PZ+FAM(I,IBK)
   20 PX=U1*PX+FAM(I+7,IBK)
      GO TO (21,22),KOP
   21 CZ=Z*PZ+PX
      CZ=Z+Z-CZ
      U1=U
      KOP=2
      GO TO 15
   22 FA=CZ*PZ+PX
      DO 30 I=1,2
      Y=DUD(1,IBK,I)
      DO 24 J=2,5
   24 Y=Y*X+DUD(J,IBK,I)
   30 V(I)=Y
      DU=V(1)
      DL=V(2)
      RETURN
      END
```


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